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Push Button Units and Indicator Lights

contents

16 mm mounting diameter, molded-plastic



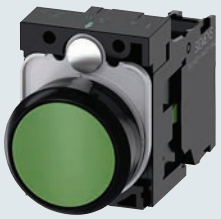
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22 mm mounting diameter, plastic black

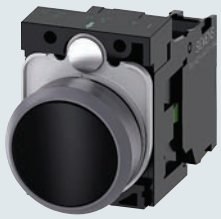


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Selection and ordering data

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22 mm mounting diameter, plastic with metal matte front ring

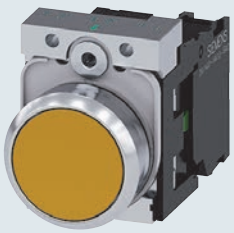


SIRIUS 3SB3, plastic round Page

Selection and ordering data

- Complete units 10/61
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- Actuating and signaling Elements 10/70
- Accessories 10/110 – 10/120; 10/138 – 10/161

22 mm mounting diameter, metal shiny



SIRIUS ACT – 3SU1 Page

Selection and ordering data

- Complete units 10/82
- Compact units 10/89
- Actuating and signaling Elements 10/92
- Accessories 10/110 – 10/120; 10/138 – 10/161

30 mm mounting diameter, metal matte



SIRIUS ACT – 3SU1 Page

Selection and ordering data

- Actuating and signaling Elements 10/103
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22mm enclosures and communication devices



SIRIUS ACT – 3SU1 Page

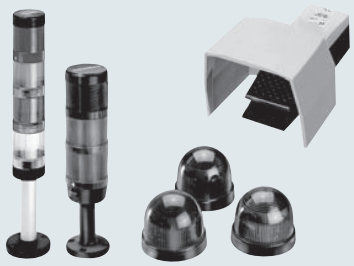
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Push Button Units and Indicator Lights

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SIRIUS signal columns, built-in signal beacons and foot switches



3SE2, 3SE3 Foot Switches Page

Selection and ordering data

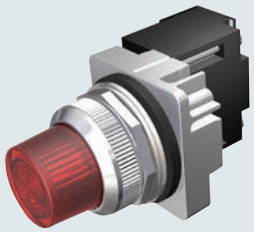
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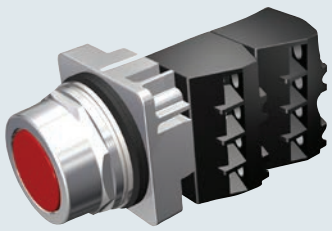
NEMA 30.5 mm mounting diameter, corrosion resistant, watertight & oiltight



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Class 52 Page

Selection and ordering data

- Push Button & Push-to-Test, Illuminated 10/202-10/203
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30.5 mm heavy duty control stations, Type 4/4X/12/13 encl.



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3SB2, Mounting Diameter 16 mm

General data

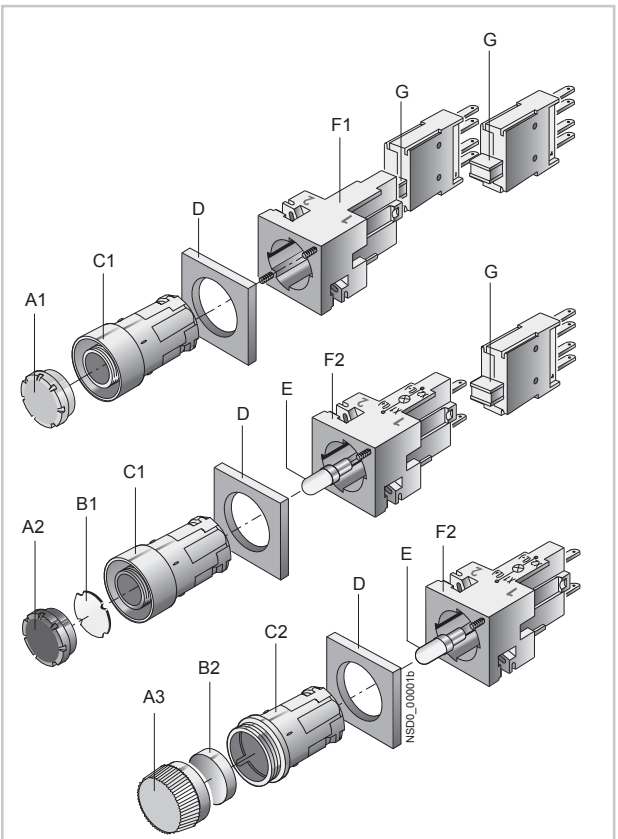
Overview

The 3SB2 push buttons and indicator lights are provided for front plate mounting and rear connection with flat connectors. For use on printed circuit boards, contact blocks and lamp holders with solder pins are also available.

Standards

IEC 60947-1, EN 60947-1,
IEC 60947-5-1, EN 60947-5-1,
IEC 60947-5-5, EN 60947-5-5 for EMERGENCY-STOP mushroom push buttons.

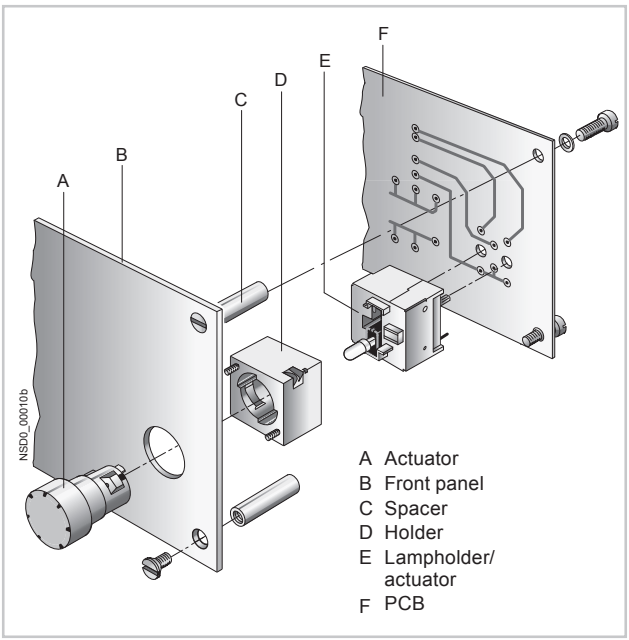
Version with flat connector



A1 Button, flat
A2 Illuminated button, flat
A3 Screw lens for indicator light
B1 Insert label, for labeling
B2 Insert cap, for labeling
C1 Collar with extruded front ring
C2 Collar for indicator light
D Frame for rectangular design
E Wedge base lamp, W2 x 4.6d
F1 Holders
F2 Lampholder with holder
G Contact blocks (1NO or 1NC) for snapping onto the holder or onto the lampholder

For PCB mounting

For use on printed circuit boards, special contact blocks and lamp holders for soldering into the printed circuit board are available. For this purpose, the contact blocks and lamp holders are fitted with 0.8 mm × 0.8 mm solder pins of length 3.5 mm.



Connection methods

Flat connectors

Solder pin connections

The terminals are indicated in the corresponding tables by the symbols shown on blue backgrounds.

Application

The devices are climate-proof and suitable for marine applications.

Safety EMERGENCY-STOP push buttons according to ISO 13850

For controls according to IEC 60204-1 or EN 60204-1, the mushroom push buttons of the 3SB2 series are suitable for use as safety EMERGENCY-STOP push buttons.

Safety circuits

IEC 60947-5-1 and EN 60947-5-1 require positive opening, i.e. for the purposes of personal safety, the assured opening of NC contacts is expressly stipulated for the electrical equipment of machines in all safety circuits and marked according to IEC 60947-5-1 with the symbol ➔.

Category 4 according to EN 954-1 can be attained with the EMERGENCY-STOP mushroom push buttons if the corresponding failsafe evaluation units are selected and correctly installed, e.g. the 3TK28 safety relays or matching units from the ASIsafe, SIMATIC or SINUMERIK product ranges.

3SB2, Mounting Diameter 16 mm

General data

Technical specifications

Type		3SB2
Contact blocks and lamp holders		
Standards		IEC 60947-5-1, EN 60947-5-1 IEC 60947-5-5, EN 60947-5-5
Rated insulation voltage U_i	V	250
Conventional thermal current I_{th}	A	10
Rated operational current I_e at rated operational voltage U_e		
• Alternating current AC-12		
- At U_e = 24 ... 230 V	A	10
• Alternating current AC-15		
- At U_e = 24 ... 230 V	A	4
• Direct current DC-12		
- At U_e = 24 V	A	6
- At U_e = 60 V	A	5
- At U_e = 110 V	A	2.5
- At U_e = 230 V	A	1
• Direct current DC-13		
- At U_e = 24 V	A	3
- At U_e = 60 V	A	1.5
- At U_e = 110 V	A	0.7
- At U_e = 230 V	A	0.3
Contact stability		
• Test voltage/test current		5 V/1 mA
Lamps		
• Bases		Wedge base W2× 4.6 d
• Rated voltage	V	6, 12, 24, 30, 48, 60
• Rated power, max.	W	1
Short-circuit protection weld-free according to IEC 60947-5-1		
• DIAZED fuse links, utilization category gG		10 A TDz, 16 A Dz
• Miniature circuit breaker with C characteristic according to IEC 60898		10 A
Electrical endurance		
• For utilization category AC-15 with 3RT10 15 to 3RT10 26 contactors		10×10^6 operating cycles
Mechanical endurance		10×10^6 operating cycles
Degree of protection acc. to IEC 60529		
• Connection of contact blocks and lamp holders behind the front panel		IP00
• Contact chambers of the contact blocks behind the front panel		IP40
Finger-safe according to IEC 61140 and BGV A3		With voltages > 50 V AC or 120 V DC, insulation sleeves must be fitted to the unassigned tab connections.
Data according to UL and CSA		
Rated voltage		
• Contact blocks	V	250 AC
• Indicator light (lamp with wedge base W2× 4.6 d)	V	60; 1 W
Uninterrupted current	A	5
Switching capacity		B 300, R 300
Actuators and indicators		
Mechanical endurance		
• Push Buttons		10×10^6 operating cycles
• Actuators, rotary or maintained		3×10^5 operating cycles
• Illuminated push buttons		3×10^6 operating cycles
Climatic withstand capability		Climate-proof; suitable for marine applications
Ambient temperature		
• During operation, non-illuminated devices and complete with LED	°C	–25 ... +70
• During operation, devices with incandescent lamp	°C	–25 ... +60
• During storage, transport	°C	–40 ... +80
Degree of protection acc. to IEC 60529		
• Actuators and indicators		IP65
• Actuators and indicators with protective cap		IP67
Protective measures		
• For mounting in metal front plates and enclosures		The actuators and lens assemblies must not be included in the protective measures.
• For fitting into enclosures with total insulation		The protective measure "Total insulation" is retained.
Shock resistance acc. to IEC 60068-2-27		
• Shock amplitude		≤ 50 *g*
• Shock duration	ms	11
• Shock form		Half-sine

More technical information see Reference manual "Commanding and Signaling Devices".

3SB2, Mounting Diameter 16 mm

General data

Configuration

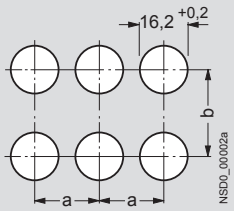
Design

Two design versions can be mounted:

- Round design: The 3SB2 push buttons and indicator lights are assembled with the modules – actuator, holder, contact block and lamp holder. Depending on the specific application, various versions can be assembled. Complete units are offered for the most commonly used applications.
- Square design: With square, black frames the round units can be given a square look. The frames are inserted underneath the round actuators. Further mounting is the same as for the round version.

Mounting and fixing:

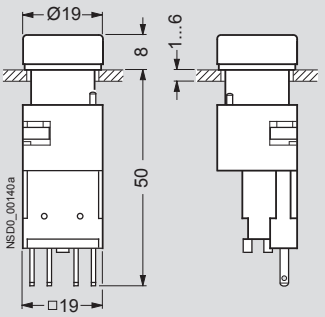
Mounting dimensions according to EN 50007
(not applicable to EMERGENCY-STOP mushroom push buttons)



Minimum clearance	a	b
Round version	19	19
Square version without inscription label	21	21
Round and square version with inscription label	21	32
For 2 selector switches with 3 switch positions, maintained, side by side	21	21

For mounting, the actuator or the lens assembly is inserted from the front into the hole in the front plate. Four small nubs ensure a secure fitting in the hole. The holder is plugged on from the back and snaps automatically into place. The module is fixed to the holder with 2 screws so that it is immune to vibrations.

One or two contact blocks can be mounted on the holder. They are inserted into the holder with slide slots and held down with two snap brackets.



Push button (flat) with holder and contact block

If a command point is fitted with an indicator light or illuminated push button, a lamp socket with lamp holder must be used instead of a holder. It is suitable for incandescent lamps or LEDs with bases of type W2 × 4.6d.

For PCB mounting

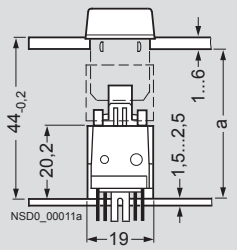
The command point comprises the actuator – e.g. 3SB2 push button, illuminated push button or indicator light –, which is mounted in the front plate, and a contact block and a lamp holder which are soldered to the PCB. For this purpose, the contact blocks and lamp holders are fitted with 0.8 mm × 0.8 mm solder pins of length 3.5 mm.

Mounting and fixing:

Mounting dimensions according to EN 50007.

The actuators are mounted in the same way as 3SB2 front plate mounting devices.

The contact blocks and lamp holders are plugged into the printed circuit board by means of their solder pins and can be flow-soldered. After soldering, the devices must be flush with the board and perpendicular to it. The printed circuit board must be supported on spacing bolts so that it cannot sag or bend more than 0.1 mm.



Length **a** of spacing bolts:
a = $44_{-0.2}$ minus front plate thickness.

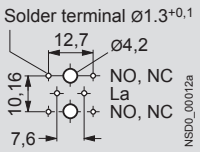
When using name plates, the length **a** is reduced by 0.8 mm.

Illuminated push button with solder pin connection

To avoid bending the PCB when the control device is operated, sufficient spacing bolts must be provided as shown in the table below:

PCB thickness	Max. distance between spacing bolts
1.5 mm	80 mm
2.5 mm	150 mm
When using EMERGENCY-STOP push buttons	always 50 mm

These details are based on epoxy resin glass fiber mat.



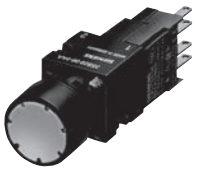
Solder pin spacing

3SB2, Mounting Diameter 16 mm

Complete units

Selection and ordering data

Version	Contact blocks	DT	Color of handle	Flat connectors Order No.	PS
Push buttons with flat button	1 NO		Black	**3SB22 02-0AB01**	1 unit
	1 NC		Black	**3SB22 03-0AB01**	1 unit
	1 NC		Red	**3SB22 03-0AC01**	1 unit
	1 NO		Yellow	**3SB22 02-0AD01**	1 unit
	1 NO		Green	**3SB22 02-0AE01**	1 unit
	1 NO		Blue	**3SB22 02-0AF01**	1 unit
	1 NO		White	**3SB22 02-0AG01**	1 unit
	1 NO		Clear[1]	**3SB22 02-0AH01**	1 unit
Illuminated push buttons with flat button Lamp holder W2 x 4.6 d[2]	1 NC		Red	**3SB22 07-0AC01**	1 unit
	1 NO		Yellow[1]	**3SB22 06-0AD01**	1 unit
	1 NO		Green	**3SB22 06-0AE01**	1 unit
	1 NO		Blue	**3SB22 06-0AF01**	1 unit
	1 NO		Clear[1]	**3SB22 06-0AH01**	1 unit
Illuminated push buttons with flat button Lamp holder W2 x 4.6 d with incandescent lamp 24 V	1 NC		Red	**3SB22 27-0AC01**	1 unit
	1 NO		Yellow[1]	**3SB22 26-0AD01**	1 unit
	1 NO		Green	**3SB22 26-0AE01**	1 unit
	1 NO		Blue	**3SB22 26-0AF01**	1 unit
	1 NO		Clear[1]	**3SB22 26-0AH01**	1 unit
Push buttons with raised button	1 NO		Black	**3SB22 02-0LB01**	1 unit
	1 NC		Red	**3SB22 03-0LC01**	1 unit
	1 NO		Yellow	**3SB22 02-0LD01**	1 unit
	1 NO		Blue	**3SB22 02-0LF01**	1 unit
	1 NO		Clear[1]	**3SB22 02-0LH01**	1 unit
Illuminated push buttons with raised button Lamp holder W2 x 4.6 d[2]	1 NC		Red	**3SB22 07-0LC01**	1 unit
	1 NO		Yellow[1]	**3SB22 06-0LD01**	1 unit
	1 NO		Green	**3SB22 06-0LE01**	1 unit
	1 NO		Blue	**3SB22 06-0LF01**	1 unit
	1 NO		Clear[1]	**3SB22 06-0LH01**	1 unit
Illuminated push buttons with raised button Lamp holder W2 x 4.6 d with incandescent lamp 24 V	1 NC		Red	**3SB22 27-0LC01**	1 unit
	1 NO		Yellow[1]	**3SB22 26-0LD01**	1 unit
	1 NO		Green	**3SB22 26-0LE01**	1 unit
	1 NO		Blue	**3SB22 26-0LF01**	1 unit
	1 NO		Clear[1]	**3SB22 26-0LH01**	1 unit
EMERGENCY-STOP mushroom push buttons acc. to ISO 13850, maintained[3] Latches automatically when pressed; unlatches by turning the mushroom head anticlockwise, with yellow name plate, with inscription "NOT-HALT"	1 NC ⊖[4]		Red	**3SB22 03-1AC01**	1 unit



Pushbutton with flat button



Illuminated push button with raised button



EMERGENCY-STOP mushroom push button

[1] Inscription is possible by inserting a label.

[2] For wedge base lamps see "Accessories", page 10/18.

[3] The mushroom push button cannot be combined with 3SB29 02-0AB name plate or 3SB29 02-0AA single frame.

[4] Positive opening according to IEC 60947-5-1, Appendix K.

3SB2, Mounting Diameter 16 mm

Complete units



Selector switch

Version	Contact blocks	Color of handle	DT	Flat connectors Order No.	PS
Selector switches, 2 switch positions Switching sequence O-I, 62° operating angle, maintained 	1 NO 1 NO 1 NO 1 NO	Black Red Green White		**3SB22 02-2AB01** **3SB22 02-2AC01** **3SB22 02-2AE01** **3SB22 02-2AG01**	1 unit 1 unit 1 unit 1 unit
Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, maintained 	1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO	Black Red Green White		**3SB22 10-2DB01** **3SB22 10-2DC01** **3SB22 10-2DE01** **3SB22 10-2DG01**	1 unit 1 unit 1 unit 1 unit
Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, momentary, Spring return from left and right 	1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO	Black Red Green White		**3SB22 10-2EB01** **3SB22 10-2EC01** **3SB22 10-2EE01** **3SB22 10-2EG01**	1 unit 1 unit 1 unit 1 unit



CES key-operated switch

Version	Contact blocks	Lock No.	Key removal position	DT	Flat connectors Order No.	PS
CES key-operated switches, 2 switch positions Switching sequence O-I, 62° operating angle, maintained 	1 NO 1 NO	SB2 SB2	O O + I		**3SB22 02-4LA01** **3SB22 02-4LB01**	1 unit 1 unit
CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, maintained 	1 NO, 1 NO 1 NO, 1 NO	SB2 SB2	O I + O + II		**3SB22 10-4PA01** **3SB22 10-4PB01**	1 unit 1 unit
CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, momentary, Spring return from left and right 	1 NO, 1 NO	SB2	O		**3SB22 10-4QA01**	1 unit



Indicator light

Version	Color of screw lens	DT	Flat connectors Order No.	PS
Indicator lights Lamp holder W2 x 4.6 d without lamp[1)]	Red Yellow Green White Clear		**3SB22 04-6BC06** **3SB22 04-6BD06** **3SB22 04-6BE06** **3SB22 04-6BG06** **3SB22 04-6BH06**	1 unit 1 unit 1 unit 1 unit 1 unit
Indicator lights Lamp holder W2 x 4.6 d with incandescent lamp 24 V	Red Yellow Green White Clear		**3SB22 24-6BC06** **3SB22 24-6BD06** **3SB22 24-6BE06** **3SB22 24-6BG06** **3SB22 24-6BH06**	1 unit 1 unit 1 unit 1 unit 1 unit

1) For wedge base lamps see "Accessories", page 10/18.

Selection and ordering data

Push buttons



Push button and illuminated push button with flat button



Push button and illuminated push button with raised button



EMERGENCY-STOP mushroom push button

Version	Color of handle	DT	Order No.	PS
Push buttons with flat button	Black		**3SB20 00-0AB01**	1 unit
	Red		**3SB20 00-0AC01**	1 unit
	Yellow		**3SB20 00-0AD01**	1 unit
	Green		**3SB20 00-0AE01**	1 unit
	Blue		**3SB20 00-0AF01**	1 unit
	White		**3SB20 00-0AG01**	1 unit
	Clear[1]		**3SB20 00-0AH01**	1 unit
Illuminated push buttons with flat button	Red		**3SB20 01-0AC01**	1 unit
	Yellow[1]		**3SB20 01-0AD01**	1 unit
	Green		**3SB20 01-0AE01**	1 unit
	Blue		**3SB20 01-0AF01**	1 unit
	White		**3SB20 00-0AG01**	1 unit
	Clear[1]		**3SB20 00-0AH01**	1 unit
Push buttons with raised button	Black		**3SB20 00-0LB01**	1 unit
	Red		**3SB20 00-0LC01**	1 unit
	Yellow		**3SB20 00-0LD01**	1 unit
	Blue		**3SB20 00-0LF01**	1 unit
	White		**3SB20 00-0LG01**	1 unit
	Clear[1]		**3SB20 00-0LH01**	1 unit
Illuminated push buttons with raised button	Red		**3SB20 01-0LC01**	1 unit
	Yellow[1]		**3SB20 01-0LD01**	1 unit
	Green		**3SB20 01-0LE01**	1 unit
	Blue		**3SB20 01-0LF01**	1 unit
	Clear[1]		**3SB20 00-0LH01**	1 unit
EMERGENCY-STOP mushroom push buttons acc. to ISO 13850, maintained[2] Latches automatically when pressed; unlatches by turning the mushroom head anticlockwise	Red		**3SB20 00-1AC01**	1 unit

[1] Inscription is possible by inserting a label.

[2] The mushroom push button cannot be combined with 3SB29 02-0AB name plate or 3SB29 02-0AA single frame.

Selector switches



Selector switch

Version		Color of handle	DT	Order No.	PS
Selector switches with 2 switch positions Switching sequence O-I, 62° operating angle, maintained		Black		**3SB20 00-2AB01**	1 unit
		Red		**3SB20 00-2AC01**	1 unit
		Green		**3SB20 00-2AE01**	1 unit
		White		**3SB20 00-2AG01**	1 unit
Selector switches with 2 switch positions Switching sequence O-I, 50° operating angle, momentary, spring return from right		Black		**3SB20 00-2BB01**	1 unit
		Red		**3SB20 00-2BC01**	1 unit
		Green		**3SB20 00-2BE01**	1 unit
Selector switches with 2 switch positions Switching sequence O-I, 90° operating angle, maintained		Black		**3SB20 00-2HB01**	1 unit
		Red		**3SB20 00-2HC01**	1 unit
		Green		**3SB20 00-2HE01**	1 unit
		White		**3SB20 00-2HG01**	1 unit
Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, maintained		Black		**3SB20 00-2DB01**	1 unit
		Red		**3SB20 00-2DC01**	1 unit
		Green		**3SB20 00-2DE01**	1 unit
		White		**3SB20 00-2DG01**	1 unit
Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from left and right		Black		**3SB20 00-2EB01**	1 unit
		Red		**3SB20 00-2EC01**	1 unit
		Green		**3SB20 00-2EE01**	1 unit
		White		**3SB20 00-2EG01**	1 unit
Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 90° operating angle, maintained		Black		**3SB20 00-2JB01**	1 unit

3SB2, Mounting Diameter 16 mm

Actuators and indicators

Key-operated switches



CES key-operated switch

Version		Lock No.	Key removal position	DT	Order No.	PS
CES key-operated switches with 2 keys, 2 switch positions Switching sequence O-I, 62° operating angle, maintained		SB2	O+I O		**3SB20 00-4LB01** **3SB20 00-4LA01**	1 unit 1 unit
CES key-operated switches with 2 keys, 2 switch positions Switching sequence O-I, 50° operating angle,momentary, spring return from right		SB2	O		**3SB20 00-4MA01**	1 unit
CES key-operated switches with 2 keys, 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, maintained		SB2	I+O+II O		**3SB20 00-4PB01** **3SB20 00-4PA01**	1 unit 1 unit
CES key-operated switches with 2 keys, 3 switch positions Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from left and right		SB2	O		**3SB20 00-4QA01**	1 unit

Indicator lights



Indicator light

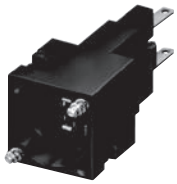
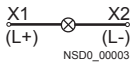
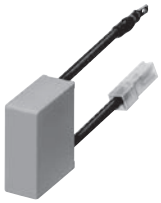
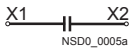
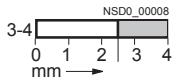
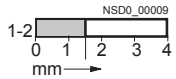
Version	Color of screw lens	DT	Order No.	PS
Indicator lights with concentric rings (inscription by inserting a cap is not possible)	Red		**3SB20 01-6BC06**	1 unit
	Yellow		**3SB20 01-6BD06**	1 unit
	Green		**3SB20 01-6BE06**	1 unit
	Blue		**3SB20 01-6BF06**	1 unit
	White		**3SB20 01-6BG06**	1 unit
	Clear		**3SB20 01-6BH06**	1 unit
Indicator lights, smooth for inscription by inserting a cap[1)]	Red		**3SB20 01-6CC06**	1 unit
	Yellow		**3SB20 01-6CD06**	1 unit
	Green		**3SB20 01-6CE06**	1 unit
	Blue		**3SB20 01-6CF06**	1 unit
	Clear		**3SB20 01-6CH06**	1 unit

[1)] Insert caps, see “Accessories”, page 10/15

3SB2, Mounting Diameter 16 mm

Contact blocks and lampholders

Selection and ordering data

Version	Diagram	Operating travel Contact closed Contact open	DT	Flat connectors Order No.	PS
Contact blocks and lamp holders with flat connectors 2 x 2.8 – 0.8 mm according to IEC 60760					
Holders for fixing the actuator and the contact blocks					
 Holder Holders for 2 contact blocks Inscription with identification number 1-2				**3SB29 08-0AA**	5 units
Lamp holders with holder for fixing the actuator and the contact blocks					
 Lamp holder **Lamp holders** W2 x 4.6 d without lamp				**3SB23 04-2A**	1 unit
Lamp holders W2 x 4.6 d • With 6 V incandescent lamp				**3SB23 04-2F**	1 unit
• With 24 V incandescent lamp				**3SB23 04-2H**	1 unit
 Voltage reducer **Voltage reducers**[1] For connecting the 3SB29 08-1AE lamp (48 V) to 230 V AC				**3SB24 04-3D**	1 unit
Contact blocks for fixing in the holder or lamp holder					
 Contact block **Contact blocks with one contact**[2] 1 NO				**3SB24 04-0B**	1 unit
1 NC ⊖[3]				**3SB24 04-0C**	1 unit

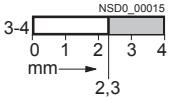
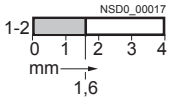
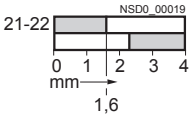
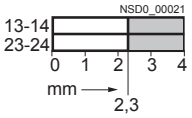
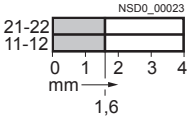
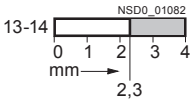
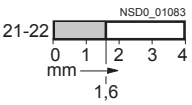
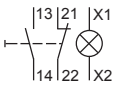
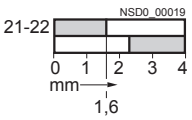
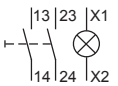
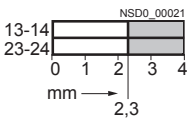
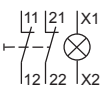
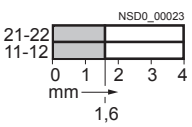
[1] Use fixpoint terminal according to IEC 60439-1.

[2] For plug-in and insulation sleeves see "Accessories", page 10/19.

[3] Positive opening according to IEC 60947-5-1, Appendix K.

3SB2, Mounting Diameter 16 mm

Contact blocks and lamp holders

Version	Diagram	Operating travel Contact closed Contact open	DT	Solder pin connections Order No.	PS
Contact blocks and lamp holders with solder pins					
 Holder	**Holders for contact block with solder pins** For fixing the actuators in the front panel			**3SB29 08-0AB**	5 units
	Lamp holders Wedge base W2 x 4.6 d[1]			**3SB24 55-2A**	1 unit
	Contact blocks				
 Contact block with solder pins	1 NO	 		**3SB24 55-0B**	1 unit
	1 NC	➔ 2)  		**3SB24 55-0C**	1 unit
	1 NO + 1 NC	➔ 2)  		**3SB24 55-0J**	1 unit
	1 NO + 1 NO	 		**3SB24 55-0E**	1 unit
	1 NC + 1 NC	➔ 2)  		**3SB24 55-0F**	1 unit
	Contact blocks and lamp holders, wedge base W2 x 4.6 d[1]				
 Contact block and lamp holder with solder pins	1 NO	 		**3SB24 55-1B**	1 unit
	1 NC	➔ 2)  		**3SB24 55-1C**	1 unit
	1 NO + 1 NC	➔ 2)  		**3SB24 55-1J**	1 unit
	1 NO + 1 NO	 		**3SB24 55-1E**	1 unit
	1 NC + 1 NC	➔ 2)  		**3SB24 55-1F**	1 unit

[1] The lamp is not included in the scope of supply.

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

Overview

Clear push buttons, illuminated push buttons and indicator lights can be fitted with insert labels and caps for identification purposes.

The insert labels and insert caps are made of a milky-transparent plastic with black lettering; they can be fitted in any 90° angle.

Inscriptions

The inscriptions have upper case initial letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscriptions see "Options".

Selection and ordering data

	Inscription/Symbol		Symbol No.	DT	**Insert labels** For push buttons and illuminated push buttons, flat Order No.	PS
For self-inscription						
	Blank				**3SB29 01-4AA**	10 units
With inscription						
	On				**3SB29 01-4EB**	10 units
	Start				**3SB29 01-4EK**	10 units
	Stop				**3SB29 01-4EL**	10 units
	Reset				**3SB29 01-4EM**	10 units
	Test				**3SB29 01-4EN**	10 units
	0				**3SB29 01-4RA**	10 units
	1				**3SB29 01-4RB**	10 units
	2				**3SB29 01-4RC**	10 units
	3				**3SB29 01-4RD**	10 units
	4				**3SB29 01-4RE**	10 units
	5				**3SB29 01-4RF**	10 units
	6				**3SB29 01-4RG**	10 units
	7				**3SB29 01-4RH**	10 units
	8				**3SB29 01-4RJ**	10 units
	9				**3SB29 01-4RK**	10 units
Graphic ON/OFF symbols						
	O (Off)		5008 IEC		**3SB29 01-4MB**	10 units
	I (On)		5007 IEC		**3SB29 01-4MC**	10 units
	II (On)		--		**3SB29 01-4MD**	10 units

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

Inscription/Symbol		Symbol No.	DT	**Insert labels** For push buttons and illuminated push buttons, flat Order No.	PS
Graphic equipment symbols					
Electric motor		0011 ISO		**3SB29 01-4PA**	10 units
Horn		5014 IEC		**3SB29 01-4PB**	10 units
Pump		0134 ISO		**3SB29 01-4PD**	10 units
Coolant pump		0355 ISO		**3SB29 01-4PE**	10 units
Graphic motion symbols					
Motion in direction of arrow (straight)		5022 IEC		**3SB29 01-4NA**	10 units
Motion in direction of arrow (diagonal)		--		**3SB29 01-4NB**	10 units
Clockwise rotation		0004 ISO		**3SB29 01-4NC**	10 units
Anticlockwise rotation		--		**3SB29 01-4ND**	10 units
Fast motion		0266 ISO		**3SB29 01-4NE**	10 units
Increase (plus)		5005 IEC		**3SB29 01-4NG**	10 units
Decrease (minus)		5006 IEC		**3SB29 01-4MC**	10 units
Graphic control symbols					
Clamp		--		**3SB29 01-4QB**	10 units
Release		--		**3SB29 01-4QC**	10 units
Brake off		0021 ISO		**3SB29 01-4QE**	10 units
Lock		0022 ISO		**3SB29 01-4QF**	10 units
Unlock		0023 ISO		**3SB29 01-4QG**	10 units
On/Off, momentary contact		5011 IEC		**3SB29 01-4QJ**	10 units
Manual operation		0096 ISO		**3SB29 01-4QK**	10 units
Automatic sequence		0017 ISO		**3SB29 01-4QL**	10 units
Customized inscriptions					
Any inscription 1 line of text with up to 6 characters of 3 mm in height. Please add the appropriate order code to the Order No. and specify the line of text required.				**3SB29 01-4AZ** **K0Y** **K1Y** or **K2Y** **K5Y**	 1 unit 1 unit 1 unit
Other graphic symbols Please add the order code **"K3Y"** to the Order No. and specify the serial number and the applied standard (ISO 7000 or IEC 60417).				**3SB29 01-4AZ** **K3Y**	1 unit
Any inscription or symbol Please add the order code **"K9Y"** to the Order No. and specify the inscription or the symbol required.				**3SB29 01-4AZ** **K9Y**	1 unit

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

	Inscription/Symbol		Symbol No.	DT	**Insert caps** For push buttons and illuminated push buttons, raised Order No.	PS
For self-inscription						
	Blank				**3SB29 01-5AA**	10 units
With inscription						
	On				**3SB29 01-5EB**	10 units
	0				**3SB29 01-5RA**	10 units
	1				**3SB29 01-5RB**	10 units
	2				**3SB29 01-5RC**	10 units
	3				**3SB29 01-5RD**	10 units
	4				**3SB29 01-5RE**	10 units
	5				**3SB29 01-5RF**	10 units
	6				**3SB29 01-5RG**	10 units
	7				**3SB29 01-5RH**	10 units
	8				**3SB29 01-5RJ**	10 units
	9				**3SB29 01-5RK**	10 units
Graphic ON/OFF symbols						
	O (Off)		5008 IEC		**3SB29 01-5MB**	10 units
	I (On)		5007 IEC		**3SB29 01-5MC**	10 units
	II (On)		--		**3SB29 01-5MD**	10 units
Graphic motion symbols						
	Motion in direction of arrow		5022 IEC		**3SB29 01-5NA**	10 units
	Motion in direction of arrow		--		**3SB29 01-5NB**	10 units
	Increase (plus)		5005 IEC		**3SB29 01-5NG**	10 units
	Decrease (minus)		5006 IEC		**3SB29 01-5MC**	10 units
Graphic control symbols						
	Clamp		--		**3SB29 01-5QB**	10 units
	Release		--		**3SB29 01-5QC**	10 units
Customized inscriptions						
	**Any inscription** 1 line of text with up to 6 characters of 3 mm in height. Please add the appropriate order code to the Order No. and specify the line of text required.				**3SB29 01-5AZ** **K0Y** **K1Y** or **K2Y** **K5Y**	 1 unit 1 unit 1 unit
	Other graphic symbols Please add the order code **"K3Y"** to the Order No. and specify the serial number and the applied standard (ISO 7000 or IEC 60417).				**3SB29 01-5AZ** **K3Y**	1 unit
	Any inscription or symbol Please add the order code **"K9Y"** to the Order No. and specify the inscription or the symbol required.				**3SB29 01-5AZ** **K9Y**	1 unit

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

	Inscription/Symbol		Symbol No.	DT	Insert caps For indicator lights Order No.	PS
For self-inscription						
	Blank				**3SB29 01-7AA**	10 units
Graphic symbols						
	Pump		0134 ISO		**3SB29 01-7PD**	10 units
	Manual operation		0096 ISO		**3SB29 01-7QK**	10 units
Customized inscriptions						
	**Any inscription** 1 line of text with up to 6 characters of 3 mm in height. Please add the appropriate order code to the Order No. and specify the line of text required.				**3SB29 01-7AZ** **K0Y** **K1Y** or **K2Y** **K5Y**	 1 unit 1 unit 1 unit
	Other graphic symbols Please add the order code **"K3Y"** to the Order No. and specify the serial number and the applied standard (ISO 7000 or IEC 60417).				**3SB29 01-7AZ** **K3Y**	1 unit
	Any inscription or symbol Please add the order code **"K9Y"** to the Order No. and specify the inscription or the symbol required.				**3SB29 01-7AZ** **K9Y**	1 unit

Options

Customized inscriptions

Labels and caps can be inscribed with text and symbols not listed in the ordering data. Append the following codes to the Order No.:

- Text line in upper/lower case, always upper case for beginning of line (e.g. "Lift"): **K0Y**
- Text line in upper case (e.g. "LIFT"): **K1Y**
- Text line in lower case (e.g. "lift"): **K2Y**
- Text line in upper/lower case, all words begin with upper case letters (e.g. "Lift"): **K5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **K3Y**
- Any inscription or symbols according to order form supplement: **K9Y**

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

One line with up to 6 characters with 3 mm letter height is possible for the inscription (see ordering example 1).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

For special symbols (order code K9Y), a CAD drawing in DXF format can be submitted.

Ordering example 1

3SB29 01–4AZ
K1Y
Z = pump

Ordering example 2

3SB29 01–4AZ
K3Y
Z = 5008 IEC

Ordering example 3

3SB29 01–4AZ
K3Y
Z = 1118 ISO

3SB2, Mounting Diameter 16 mm

Name plates

Overview

The name plates consist of a black plastic label holder and an inscription label (silver with black print) for sticking in place.

Note mounting dimensions!

Inscriptions

The inscriptions (also special inscriptions) are lower case with upper case initial letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

Selection and ordering data

Inscription/Symbol	Symbol No.	DT	Order No.	PS
Inscription labels, self-adhesive, 9.5 mm × 18.5 mm				
 Blank			**3SB29 01-2AA**	10 units
On			**3SB29 01-2EB**	10 units
Off			**3SB29 01-2EC**	10 units
Start			**3SB29 01-2EL**	10 units
Reset			**3SB29 01-2EM**	10 units
Fault			**3SB29 01-2EW**	10 units
Hand Auto			**3SB29 01-2BA**	10 units
Manual 0 Auto			**3SB29 01-2BE**	10 units
Man 0 Auto			**3SB29 01-2ET**	10 units
Graphic symbols				
O (Off) 	5008 IEC		**3SB29 01-2MB**	1 unit
I (On)	5007 IEC		**3SB29 01-2MC**	1 unit
O I (horizontal)	--		**3SB29 01-2MF**	1 unit
Motion in direction of arrow 	5002 IEC		**3SB29 01-2NA**	1 unit
Customized inscriptions or symbols			**3SB29 01-2XZ**	
(see Options)			**K0Y**	1 unit
			K1Y, K2Y or **K3Y**	1 unit
			K5Y	1 unit
			K9Y	1 unit
Label holders				
 **Label holders for inscription labels** The label holders must not be used with the 3SB2...-1AC01 EMERGENCY-STOP mushroom push button.			**3SB29 02-0AB**	1 unit

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data. Append the following codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift off"): **K0Y**
- Text line(s) in upper case (e.g. "LIFT OFF"): **K1Y**
- Text line(s) in lower case (e.g. "lift off"): **K2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "Lift Off"): **K5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **K3Y**
- Any inscription or symbols according to order form supplement: **K9Y**

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

Two lines of 11 characters are permitted with 4 mm letter height (1 line) or 3 mm (2-line).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering example).

For special symbols (order code K9Y), a CAD drawing in DXF format can be submitted.

Ordering example

3SB29 01–2XZ
K3Y
Z = 1118 ISO

3SB2, Mounting Diameter 16 mm

Mounting parts and components

Selection and ordering data

	Version	Lamp voltage	Color	DT	Order No.	PS
		V				
Buttons and lenses[1]						
 3SB29 10-0AF	**Buttons, flat** For push buttons		Black Red Yellow Green Blue White Clear		**3SB29 10-0AB** **3SB29 10-0AC** **3SB29 10-0AD** **3SB29 10-0AE** **3SB29 10-0AF** **3SB29 10-0AG** **3SB29 10-0AH**	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SB29 10-0CF	**Buttons, flat** For illuminated push buttons		Red Yellow Green Blue White Clear		**3SB29 10-0CC** **3SB29 10-0CD** **3SB29 10-0CE** **3SB29 10-0CF** **3SB29 10-0AG** **3SB29 10-0AH**	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SB29 10-0BD	**Buttons, raised** For push buttons		Black Red Yellow Clear		**3SB29 10-0BB** **3SB29 10-0BC** **3SB29 10-0BD** **3SB29 10-0BH**	1 unit 1 unit 1 unit 1 unit
 3SB29 10-0DD	**Buttons, raised** For illuminated push buttons		Red Yellow Clear		**3SB29 10-0DC** **3SB29 10-0DD** **3SB29 10-0BH**	1 unit 1 unit 1 unit
 3SB29 10-1AD	**Screw lenses** With concentric rings		Red Yellow Green Blue White Clear		**3SB29 10-1AC** **3SB29 10-1AD** **3SB29 10-1AE** **3SB29 10-1AF** **3SB29 10-1AG** **3SB29 10-1AH**	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SB29 10-1BE	**Screw lenses** Smooth, for inscription with insert cap		Red Yellow Green Blue Clear		**3SB29 10-1BC** **3SB29 10-1BD** **3SB29 10-1BE** **3SB29 10-1BF** **3SB29 10-1BH**	1 unit 1 unit 1 unit 1 unit 1 unit
Key for actuators						
 3SB29 08-2AJ	**Keys** For CES key-operated switch, lock No. SB2				**3SB29 08-2AJ**	1 unit
Lamps, wedge bases[2]						
 3SB29 08-1AE	**Incandescent lamps** Wedge base W2 × 4.6 d, 1.0 W	AC/DC 6 12 24 30 48 60	Clear		 **3SB29 08-1AA** **3SB29 08-1AB** **3SB29 08-1AC** **3SB29 08-1AD** **3SB29 08-1AE** **3SB29 08-1AF**	 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SB39 01-1SB	**LED lamps, super-bright** Wedge base W2 × 4.6 d	24 AC/DC	Red Yellow Green White Blue		**3SB39 01-1SB** **3SB39 01-1RB** **3SB39 01-1TB** **3SB39 01-1UB** **3SB29 08-1BD**	1 unit 1 unit 1 unit 1 unit 1 unit
 3SB29 08-1BD		28 AC/DC	Red Yellow Green White Blue		**3SB39 01-1SE** **3SB39 01-1RE** **3SB39 01-1TE** **3SB39 01-1UE** **3SB39 01-1VE**	1 unit 1 unit 1 unit 1 unit 1 unit
 3SB29 08-1AB	**Lamp extractors** For lamps with bases W2 × 4.6 d				**3SB29 08-2AB**	1 unit

[1] Included in the scope of supply of actuators or indicator lights.

[2] Included in the scope of supply of some complete units.

3SB2, Mounting Diameter 16 mm

Mounting parts and components

	Version	DT	Order No.	PS
Accessories for command points				
 3SB29 02-0AA	**Single frames** for square design[1]		**3SB29 02-0AA**	1 unit
 3SB29 08-2AG	**Name plates, yellow, Ø 50 mm** As backing plate for EMERGENCY-STOP, self-adhesive • Blank • With German inscription "NOT-HALT" • With German inscription "NOT-AUS"		 **3SB29 08-2AF** **3SB29 08-2AG** **3SB29 08-2AK**	 1 unit 1 unit 1 unit
 3SB29 08-3AA	**Blanking plugs** Black plastic (degree of protection IP65)		**3SB29 08-3AA**	1 unit
 3SB29 08-1	**Protective caps, clear** Silicone, for push buttons with flat and raised button		**3SB29 08-3AB**	1 unit
Flat connectors				
 3SB29 08-8AA	**Plug-in sleeves** For flat connectors 2.8 × 0.8 mm, cross-section 0.5 ... 1.5 mm^2		**3SB29 08-8AA**	1unit
 3SB29 08-8AB	**Insulation sleeves** For flat connectors, connection from the front		**3SB29 08-8AB**	1 unit
 3SB29 08-8AD	**Complete connectors**[2] For connecting contact blocks and lamp holders (up to 10 connections). Guaranteed finger-safe acc. to IEC 61140 and BGV A3.		**3SB29 08-8AD**	1 unit
 3SB29 08-8AE	**Plug-in sleeves** For flat connectors 2.8 × 0.8 mm, with locating spring for maintained in complete connector		**3SB29 08-8AE**	250 units
Tools				
 3SB29 08-2AA	**Dismantling tools** For holders and lamp holders with holder		**3SB29 08-2AA**	1 unit
 3SB29 08-2AC	**Mounting tools** For buttons and screw lenses		**3SB29 08-2AC**	1 unit

1) Not suitable for EMERGENCY-STOP mushroom push buttons.

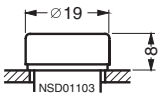
2) Required 3SB29 08-8AE plug-in sleeves for flat connectors 2.8 × 0.8 mm are not included in the scope of supply.

3SB2, Mounting Diameter 16 mm

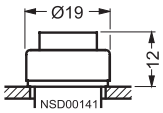
Dimension drawings (mm)

Actuators

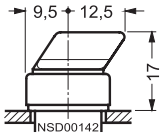
Pushbutton or illuminated pushbutton
with flat button



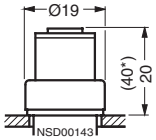
Pushbutton or illuminated pushbutton
with raised button



Selector switch

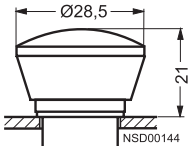


CES key-operated switch

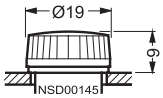


* with key

EMERGENCY-STOP mushroom pushbutton

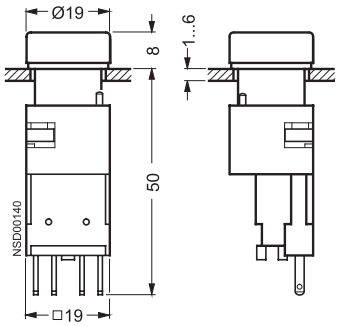


Indicator light



Contact blocks with push-on connection

Pushbutton and contact block
with holder for frontplate mounting

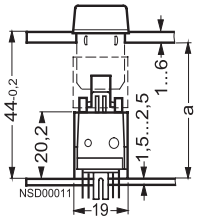


3SB2, Mounting Diameter 16 mm

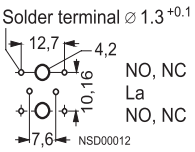
Dimension drawings (mm)

Contact blocks with soldering pins for use on printed circuit boards

Illuminated pushbutton unit
with contact block and lamp-holder with solder pins



Solder pin spacing

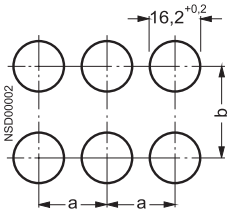


Length **a** of spacers: **a** = $44^{-0.2}$ minus front plate thickness.
When using backing plates, the length **a** is reduced by 0.8 mm.
To avoid bending of the PCB when the actuator is operated, sufficient spacers must be provided spaced as shown in the table below:

Maximum PCB thickness	Max. distance between spacers
1.5 mm	80 mm
2.5 mm	150 mm
When using EMERGENCY-STOP actuators	generally 50 mm

(These details are based on epoxy resin glass fibre mat.)

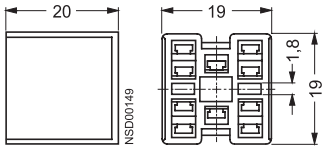
Mounting dimensions



Minimum clearance	a	b
Round design	19	19
Square design without inscription plate	21	21
Round and square designs with inscription plates	21	32
For 2 selector switches and 3 switching positions, maintained contact, side by side	21	21

Accessories

Complete connector



SIRUS ACT 3SU Series

Overview






	3SU1.0	3SU1.3	3SU1.5	3SU1.6
Pushbuttons and indicator lights				
Designs				
Nominal diameter	22 mm	22 mm	22 mm	30 mm
Version	Plastic	Plastic with metal front ring, matte	Metal, shiny	Metal, matte, flat
Actuators				
Pushbuttons	✓	✓	✓	✓
Illuminated pushbuttons	✓	✓	✓	✓
Mushroom pushbuttons	✓	✓	✓	--
EMERGENCY STOP mushroom pushbuttons	✓	✓	✓	--
Selector switches	✓	✓	✓	✓
Key-operated switches	✓	✓	✓	✓
Special actuators				
Twin pushbuttons	✓	✓	✓	--
Coordinate switches	✓	✓	✓	--
Toggle switches	✓	✓	✓	--
Sensor switches	✓	✓	--	--
ID key-operated switches	✓	✓	--	--
Pushbuttons with extended stroke	✓	✓	✓	--
Potentiometers	✓	✓	✓	--
Indicators				
Indicator lights	✓	✓	✓	✓
Acoustic signaling devices	✓	✓	✓	--
Contact modules				
Single-pole	✓	✓	✓	✓
Two-pole	✓	✓	✓	✓
LED modules				
With integrated LED	✓	✓	✓	✓
Connections				
Screw terminals	✓	✓	✓	✓
Spring-type terminals	✓	✓	✓	✓
Solder pins	✓	✓	✓	✓
AS-Interface	✓	✓	✓	✓
IO-Link	✓	✓	✓	✓

✓ Standard
-- Not available

Note:

Safety characteristics (see Appendix on page 10/166).





	3SU18	3SU18
	Enclosures	Two-hand operation consoles
Enclosures		
Plastic	✓	✓
Metal	✓	✓
Actuators		
Pushbuttons	✓	✓
Illuminated pushbuttons	✓	✓
Mushroom pushbuttons	✓	✓
EMERGENCY STOP mushroom pushbuttons	✓	✓
Selector switches	✓	✓
Key-operated switches	✓	✓
Indicators		
Indicator lights	✓	❑
Acoustic signaling devices	✓	❑
Contact modules		
Single-pole	✓	✓
Two-pole	--	✓
Connections		
Screw terminals	✓	✓
Spring-type terminals	✓	❑
Plug-in connection	❑	❑
AS-Interface	✓	❑

✓ Standard
-- Not available
❑ Optional

AS-Interface solutions

Pushbuttons and indicator lights of the SIRIUS ACT series can be connected to the AS-Interface communication system quickly and easily with the help of various solutions.

AS-Interface EMERGENCY STOP according to ISO 13850

Using special modules, EMERGENCY STOP devices according to ISO 13850 can be directly connected through the standard AS-Interface with safety-related communication (see page 10/118).

AS-Interface enclosures

Enclosures with standard fittings are listed in this catalog.

For customized enclosures, use the SIRIUS ACT Configurator to select the elements for equipping (see page 10/130).

PROFINET solutions

SIRIUS ACT devices will be equipped in future with a direct communication interface to PROFINET and PROFIsafe.

RFID authentication solutions

Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users and flexible in application thanks to four function stages.

Overview



SIRIUS ACT pushbuttons and indicator lights

SIRIUS ACT – commanding and signaling

SIRIUS ACT is a modular system of pushbuttons and indicator lights for front plate mounting and rear-mounted electrical modules. Thanks to SIRIUS ACT with PROFINET, pushbuttons and indicator lights can be connected directly via PROFINET to the controller and HMI devices – including with safety functions. Engineering and commissioning are simplified no end by the TIA Portal.

Extensive portfolio

- Customized variants, e.g. special tumbler arrangements, labeling, equipped enclosures
- Communication-enabled thanks to direct interfacing to AS-Interface, IO-Link or PROFINET

Diverse possible applications

- National and international approvals
- Many trade approvals
- Short delivery times thanks to global availability

Standards

- IEC/EN 60947-1
- IEC/EN 60947-5-1
- IEC/EN 60947-5-5 for EMERGENCY STOP devices

More information

Homepage, see www.siemens.com/sirius-act
Industry Mall, see www.siemens.com/product?3SU1
Configurator, see www.siemens.com/sirius-act/configurator
Conversion tool, see www.siemens.com/sirius/conversion-tool
Manual, see https://support.industry.siemens.com/cs/ww/en/view/107542462
TIA Portal, see www.siemens.com/TIA

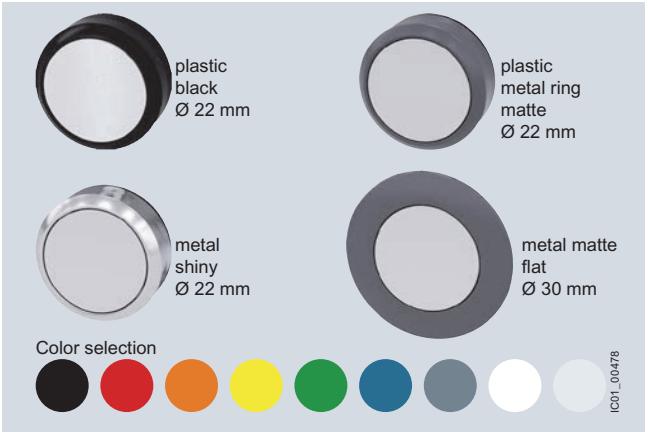
Configurator



- Fast, simple selection by intuitive navigation through clearly-organized menus using drag & drop
- Image preview of selected components
- Inscription of pushbuttons and labeling plates using the interactive inscription tool
- Once created, a configuration can be ordered as often as required using the customer-specific article number and the CIN (Configuration Identification Number)
- Everything at a glance: Product data sheets, certificates, dimensional drawings, list prices, inscription tool

Benefits

Design



SIRIUS ACT is available in four design lines.

Communication



- Direct connection of the enclosure to AS-Interface or IO-Link
- Direct connection in the control cabinet to PROFINET, IO-Link or AS-Interface
- Can be integrated easily via the TIA Portal

Ruggedness

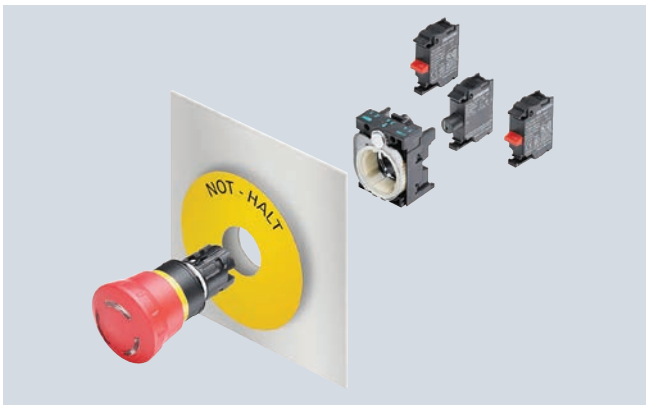


- Degree of protection IP66, IP67, IP69 (IP69K)

IP66	
6 = Protection against the ingress of dust	6 = Protection against powerful splash-water
IP67	
6 = Protection against the ingress of dust	7 = Protection against temporary immersion
IP69 (IP69K)	
6 = Protection against the ingress of dust	9/9K = Protection against water in high-pressure cleaning (approx. 80 bar) and high water jet temperatures (approx. 80 °C)

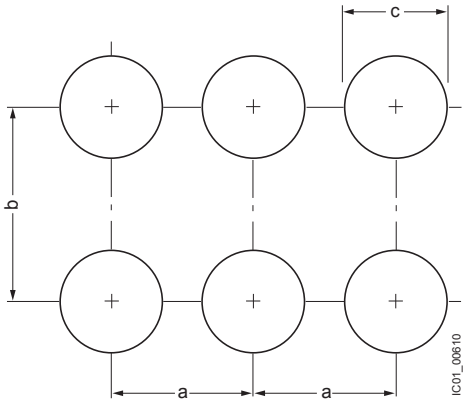
- Service life of 100 000 hours thanks to use of LEDs
- Media resistance (chemicals) thanks to solid stainless steel and high-grade plastics
- Mechanical endurance of 10 x 10^6 switching cycles
- Suitable for use in extreme environments
- Reliable, friction-locked fixing with just one screw
- Design stability according to use
- Simple geometry for mounting holes

Easy handling



- Self-holding function of the actuator when mounting
- Twist prevention integrated into patented holder design
- Stackable contact modules
- Self-explanatory and fast installation using one hand
- Components can be mounted with holder removed
- No special tools required, simple size 2 screwdriver (cross-tip DIN ISO 87641PZD1, flat-head DIN ISO 2380-1 A/B 1x4.5) is sufficient

Mounting dimensions



	Minimum clearance		
	a	b	c
	mm	mm	mm
22 mm, plastic with metal front ring, matte			
3-slot holder	30	40	$22.3^{+0.4}$
4-slot holder	40	40	$22.3^{+0.4}$
30 mm, metal, matte			
3-slot holder	40	45	$30.5^{+0.5}$

Versions

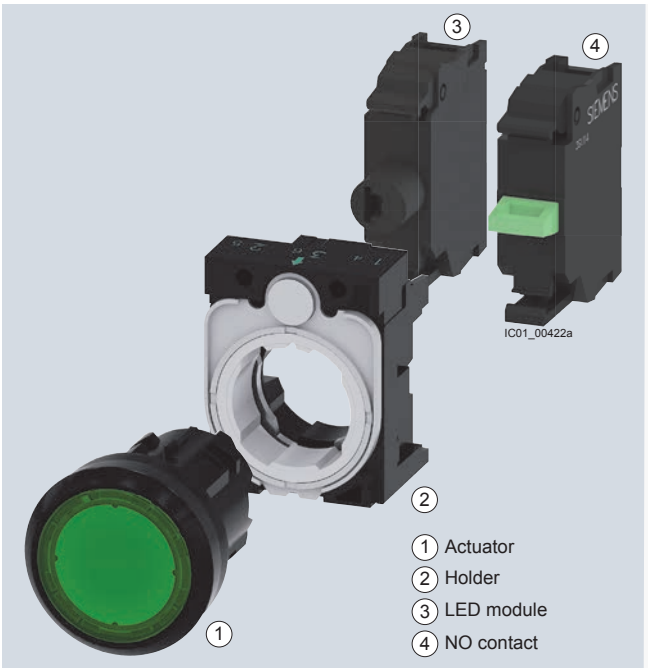
SIRIUS ACT is a modular system of pushbuttons and indicator lights with which customized variants can be configured flexibly.

One command point comprises:

- An actuating or signaling element in front of the control panel
- A holder for securing behind the control panel
- Up to six contact modules and/or one LED module (mounted onto the holder), single-pole contacts can be stacked
- A comprehensive range of accessories for inscription/marking

Complete units

Complete units made up of an actuating or signaling element, holder and contact modules and/or LED modules are offered for the most frequent application cases. The electrical parts are integrated and only have to be wired.



Compact units

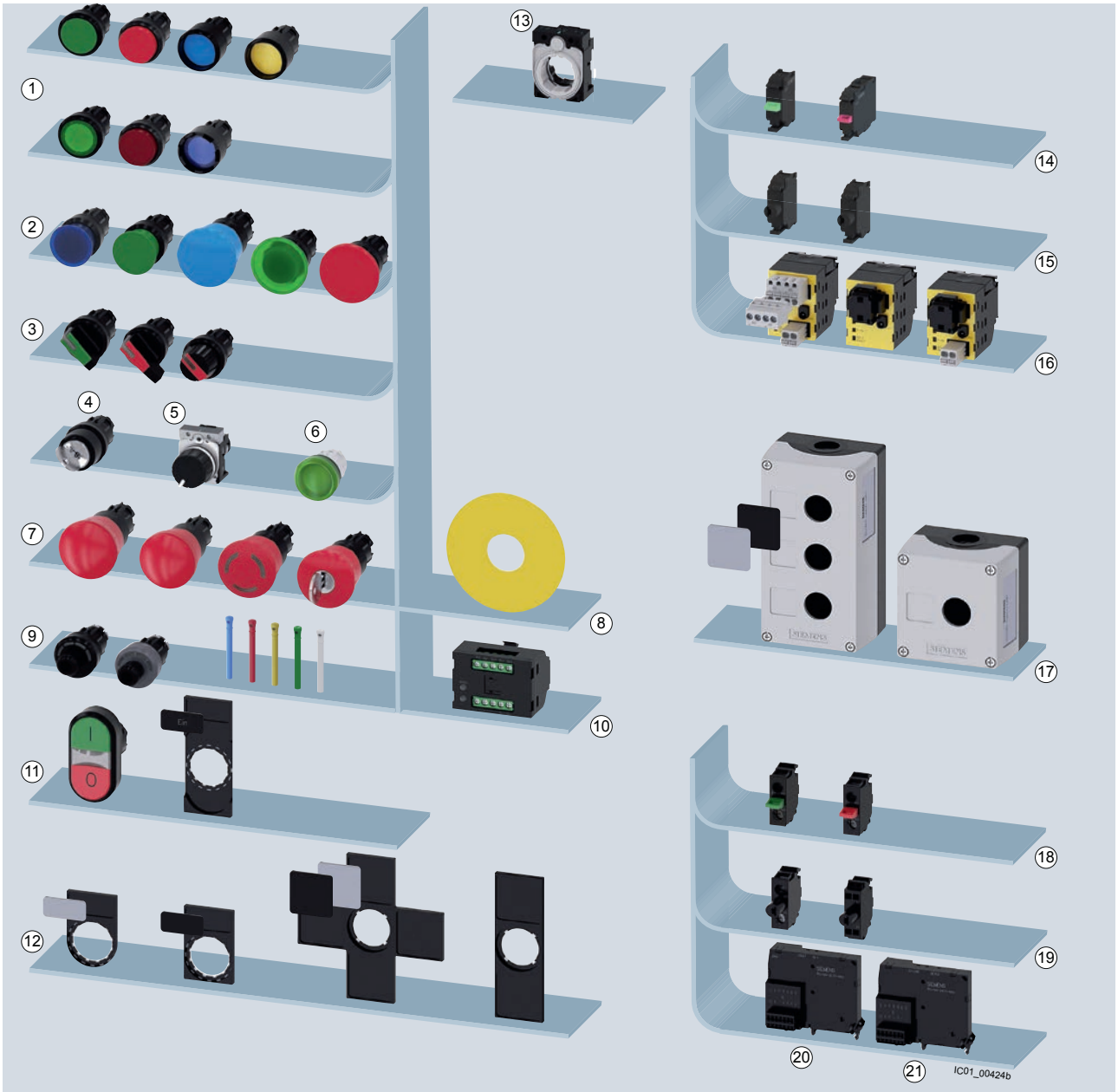
Signaling devices, sensor switches, and pushbuttons with extended stroke are available as compact units. The electronic circuitry is already integrated in these devices, i.e. it is not necessary to snap on a contact or LED module.



Complete units	Pages
Plastic, black	10/39 10/61
Plastic with metal front ring, matte	10/82
Metal, shiny	

Compact units	Pages
Plastic, black	10/46 10/68
Plastic with metal front ring, matte	10/90
Metal, shiny	

Actuating and signaling elements



Actuating and signaling elements		Pages
①	Pushbuttons, illuminated pushbuttons	10/39
②	Mushroom pushbuttons	10/41
③	Selector switches	10/42
④⑤⑥	Key-operated switches, potentiometers, indicator lights	10/43
⑦⑧	EMERGENCY STOP mushroom pushbuttons, backing plates	10/41
⑨⑩	ID key-operated switches, ID keys, electronic modules	10/59
⑪	Twin pushbuttons, label holders, labeling plates	10/51
⑫	Label holders, labeling plates	10/138
Holders and labels		**Pages**
⑬	Holders	10/138

Modules for front plate mounting		Pages
⑭	Contact modules	10/112
⑮	LED modules	10/116
⑯	AS-Interface modules	10/118
Enclosures		**Pages**
⑰	Enclosures	10/122
Modules for base mounting		**Pages**
⑱	Contact modules	10/133
⑲	LED modules	10/133
⑳	IO-Link modules	10/136
㉑	AS-Interface modules	10/136

System overview of SIRIUS ACT pushbuttons and indicator lights from the plastic design line.
Pushbuttons and indicator lights available in 4 design lines.

SIRIUS ACT DIGITALIZATION @ YOUR FINGERTIPS™

General data

SIRIUS ACT with PROFINET

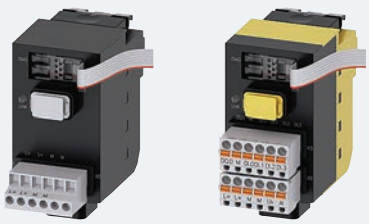
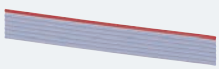
SIRIUS ACT with PROFINET connects pushbuttons and indicator lights directly via PROFINET to the controller and HMI devices – including with safety functions.

With this solution designed for the control panel, up to 21 SIRIUS ACT devices can be connected to the controller via PROFINET. Integration of the EMERGENCY STOP mushroom pushbutton (SIL 3, PL e) is possible via PROFIsafe. Non SIRIUS ACT devices, e.g. position switches, can additionally be connected via the open, digital/analog interfaces (DI, DQ, AI).

The system is entirely integrated into TIA Portal and does not require any further addressing apart from the IP address for PROFINET.

Quick and easy installation with flat cables without special tools saves significantly on wiring outlay.



Interface modules/fail-safe interface modules			
	**Interface module for PROFINET**, 24 V DC 1 to 20 terminal modules can be connected	**3SU1400-1L□10-□AA1**	See page 10/121
Terminal modules			
	**Terminal modules with 2 contacts** **Terminal modules with 2 contacts and integrated LED** **Terminal modules with integrated LED**	**3SU1401-1MA□0-1□A1** **3SU1401-1MC□0-1□A1** **3SU1401-1ME□0-1□A1**	See page 10/121
Accessories			
	**Memory module** For backing up the complete parameterization of the 3SK2 safety system without a PC/PG through the system interface	**3RK3931-0AA00**	See page 10/121
	**LED modules for mounting on printed-circuit boards**	**3SU1401-3BA□0-5AA0**	See page 10/117
	**Flat ribbon cable** 7 cores, length 5 m 7 cores, length 10 m	**3SU1900-0KQ80-0AA0** **3SU1900-0KP80-0AA0**	See page 10/165

ID key-operated switches

Groups of employees or individuals can be authenticated by means of the ID key-operated switch. The ID key-operated switch is electronic and has four switch positions that are selected by keys with different codes. Using the four ID keys with different codes, it is possible to select 1 to 4 positions. The ID keys are color-coded (yellow, blue, red, green, white) so that they can be clearly differentiated at a glance and used flexibly thanks to four function levels.

RFID authentication solutions

Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users.

Different versions of ID key-operated switches are available depending on the following features:

- Front ring material
- Conventional variant: 1 + 4 non-isolated outputs
- Variant with IO-Link: Option of individual coding

Operation:
Insert ID key, turn key to select the position. Standard keys can also be used in conjunction with the electronic module for ID key-operated switches with IO-Link function. The white ID key is supplied without coding.

Note: ID Key Switches requires the use of a plastic holder only! Purchase 3SU1500-0AA10-0AA0 Holder Separately.

				
	3SU1000-4WS10-0AA0 **Plastic, black**	**3SU1500-0AA10-0AA0** **Holder, plastic**	**3SU1030-4WS10-0AA0** **Plastic with metal front ring, matte**	**3SU1500-0AA10-0AA0** **Holder, plastic**
ID key-operated switches				
Number of switching positions	4		4	
Operating angle	45°		45°	
Operating principle	Latching		Latching	
Switch position for key removal	Key removal possible in all 4 positions		Key removal possible in all 4 positions	
Color	Black		Black	
Pages	10/59		10/80	

		
	3SU1400-1GC10-1AA0	**3SU1400-1GD10-1AA0**
Electronic modules for ID key-operated switches		
Type of power supply	--	via IO-Link master
Protocol is supported IO-Link protocol	--	IO-Link protocol
Number of NO contacts	5	5
IO-Link transfer rate	--	COM2 (38.4 kBaud)
Pages	10/120	10/120

		
	3SU1900-0FU60-0AA0 **ID keys ID group individual**	**3SU1900-0FV40-0AA0** **3SU1900-0FW30-0AA0** **3SU1900-0FX20-0AA0** **3SU1900-0FY50-0AA0** **ID keys**
ID keys		
Material	Plastic	Plastic
Version of RFID coding	Individually coded, programmable several times	ID group 1 ID group 2 ID group 3 ID group 4
Color	White	Green Yellow Red Blue
Pages	10/161	10/161

General data

Article No. scheme

Device types










3SU10	3SU11	3SU12	3SU14	3SU15	3SU18	3SU19
Device types						
Actuating and signaling elements	**Complete units**	**Compact units**	**Modules for actuators and indicators**	**Holders with module**	**Enclosures**	**Accessories**

Actuating and signaling elements

Product versions		Article number
SIRIUS ACT pushbuttons and indicator lights		**3SU1** □ □ □ – □ □ □ □ □ – □ □ □ □
Device type	Actuating and signaling elements	**0**
Material (front ring)	Plastic, black	**0**
	Metal, matte (front ring)/plastic, black (rosette, holder)	**3**
	Metal, matte (front ring)/metal (rosette, holder)	**4**
	Metal, shiny	**5**
	Metal, matte	**6**
Illumination	Non-illuminated	**0**
	Illuminated/transparent	**1**
	Illuminated/non-illuminated	**2**
Type of actuator/indicator	Pushbutton	**0**
	Mushroom pushbutton/EMERGENCY STOP mushroom pushbutton/sensor switch	**1**
	Selector switch	**2**
	Twin pushbutton, toggle switch	**3**
	Key-operated switch	**4/5**
	Indicator light/acoustic signaling device	**6**
	Coordinate switch	**7**
Design of the actuator/ acoustic signaling device	e.g. A = Flat	□
Function	e.g. B = Momentary contact	□
Color/key removal position	e.g. 10 = Black, 20 = Red	□ □
Connection type	None	**0**
Module/holder equipment	e.g. A = Without module, without holder Y = Without module, with holder	□
Marking	e.g. A = None, C = "I", D = "O", R = "R"	□
Ambient condition	Standard	**0**
	ATEX Zone 21-22: Protection from dust	**1**
	ATEX Zone 1-2: Intrinsic safety	**2**
Example		**3SU1 0 0 0 – 0 A B 1 0 – 0 A A 0**

Note:

The Article No. scheme shows an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

Complete units

Product versions		Article number
SIRIUS ACT pushbuttons and indicator lights		**3SU1** □ □ □ – □ □ □ □ □ – □ □ □ □
Device type	Complete units	**1**
Material (front ring)	Plastic, black Metal, matte (front ring)/plastic, black (rosette, holder) Metal, shiny Metal, matte	**0** **3** **5** **6**
Illumination	Non-illuminated Illuminated (with/without LED, various voltages)	**0** **1** **...** **8**
Type of actuator/indicator	Pushbutton Mushroom pushbutton/EMERGENCY STOP mushroom pushbutton/sensor switch Selector switch Twin pushbutton, toggle switch Key-operated switch Indicator light/acoustic signaling device Coordinate switch	**0** **1** **2** **3** **4/5** **6** **7**
Design of the actuator/ acoustic signaling device	e.g. A = Flat	□
Function	e.g. B = Momentary contact	□
Color/key removal position	e.g. 10 = Black, 20 = Red	□ □
Connection type	Screw terminals Spring-type terminals	**1** **3**
Module/holder equipment including contact material	e.g. A = Without module, with holder B = 1 NO contact with holder C = 1 NC contact with holder	□
Marking	e.g. A = None, C = "I", D = "O", R = "R"	□
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety	**0** **1** **2**
Example		**3SU1 1 0 0 – 0 A B 1 0 – 1 B A 0**

Compact units

Product versions		Article number
SIRIUS ACT pushbuttons and indicator lights		**3SU1** □ □ □ – □ □ □ □ □ – □ □ □ □
Device type	Compact units	**2**
Material (front ring)	Plastic, black Metal, matte (front ring)/plastic, black (rosette, holder) Metal, shiny Metal, matte	**0** **3** **5** **6**
Illumination	Non-illuminated Illuminated/non-illuminated	**0** **1**
Type of actuator/indicator	Pushbutton Sensor switch Potentiometers Indicator light/acoustic signaling device	**0** **1** **2** **6**
Design of the actuator/ acoustic signaling device	e.g. A = Flat	□
Function (voltage/resistance)	e.g. B = 24 V AC/DC	□
Color	e.g. 10 = Black, 20 = Red	□ □
Connection type	None Screw terminals M12 connection, 4-pin Spring-type terminals	**0** **1** **2** **3**
Module/holder equipment including contact material	e.g. A = Without module, without holder B = 1 NO contact with holder C = 1 NC contact with holder	□
Marking	e.g. A = None	□
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety	**0** **1** **2**
Example		**3SU1 2 0 1 – 6 A B 1 0 – 1 A A 0**

Note:

The Article No. schemes show an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

General data

Modules for actuators and indicators

Product versions		Article number
SIRIUS ACT pushbuttons and indicator lights		**3SU1** □□□–□□□□□–□□□□
Device type	Modules for actuators and indicators	**4**
Material (front ring)	Plastic, black	**0**
Illumination	Non-illuminated Illuminated	**0** **1**
Fastening method	Front plate mounting Base mounting Printed circuit board	**1** **2** **3**
Module type	Contact module LED module LED test module Support terminal AS-Interface module Electronic module for ID key-operated switches Interface modules for PROFINET Terminal modules	**A** **B** **C** **D** **E** **G** **L** **M**
Function/voltage	e.g. B = 24 V AC/DC	□
Color	e.g. 10 = Black, 20 = Red	□□
Connection type	Screw terminals Screw terminals + insulation piercing method Spring-type terminals Spring-type terminals + insulation piercing method Socket terminals	**1** **2** **3** **4** **5**
Module equipment including contact material	e.g. A = None B = 1 NO contact, silver C = 1 NC contact, silver	□
Marking	None	**A**
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety	**0** **1** **2**
Example		**3SU1 4 0 0 – 1 A A 1 0 – 1 B A 0**

Holders

Product versions		Article number
SIRIUS ACT pushbuttons and indicator lights		**3SU1** □□□–□□□□□–□□□□
Device type	Holder	**5**
Material (front ring)	Plastic, black Metal, shiny	**0** **5**
Illumination	Non-illuminated Illuminated	**0** **1**
Fastening method	Without Front plate mounting	**0** **1**
Holder type	3x A 4x B	**A** **B**
Function/voltage	Without 6 ... 24 V AC/DC	**A** **G**
Color	e.g. 10 = Black, 20 = Red	□□
Connection type	None Screw terminals	**1** **2**
Module equipment including contact material and slot	e.g. A = None B = 1 NO contact, silver C = 1 NC contact, silver	□
Marking	None	**A**
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety	**0** **1** **2**
Example		**3SU1 5 0 0 – 0 A A 1 0 – 0 A A 0**

Note:

The Article No. schemes show an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

Enclosures

Product versions		Article number														
SIRIUS ACT pushbuttons and indicator lights		**3SU1**	□	□	□	–	□	□	□	□	□	–	□	□	□	□
Device type	Enclosures		**8**													
Material (enclosure/front ring)	Plastic, black plastic Metal, shiny metal			**0** **5**												
Number of command points	Command point ... Command points				**1** **...** **6**											
Type of enclosure	Surface-mounting 4-position selector switch and coordinate switch Palm pushbutton Two-hand operation console					**0** **1** **2** **3**										
Command point	e.g. command point, inscription, module						□	□								
Communication capability	Without AS-i								**0** **1**							
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety									**0** **1** **2**						
Mounting/connection of modules	None Front plate mounting, screw terminals Base mounting, screw terminals Front mounting, spring-type terminals Base mounting, spring-type terminals										**0** **1** **2** **3** **4**					
Cable exit from enclosure	None Direct entry of AS-i flat cable at top/on right AS-i insulation piercing method at top/on right											**A** **G** **H**				
Design of enclosure top	Center command point With recess for labeling plate With protective collar 4 additional holes (two-hand operation console) 8 additional premachined breaking points (two-hand operation console)												**A** **B** **C** **D** **E**			
Color of enclosure top	Gray Yellow															**1** **2**
Example		**3SU1**	**8**	**0**	**1**	**–**	**0**	**A**	**A**	**0**	**0**	**–**	**0**	**A**	**A**	**2**

Accessories

Product versions		Article number														
SIRIUS ACT pushbuttons and indicator lights		**3SU1**	□	□	□	–	□	□	□	□	□	–	□	□	□	□
Device type	Accessories		**9**													
Material	Plastic, black Metal/plastic Metal, shiny Metal, matte			**0** **3** **5** **6**												
Illumination	Non-illuminated Illuminated				**0** **1**											
Type of accessory (labels, protection, actuator, enclosure)	e.g. 0AB = Insert label						□	□	□							
Color	e.g. 10 = Black, 20 = Red									□	□					
Marking	e.g. 0AA = None 0AB = ON 0AT = EMERGENCY STOP												□	□	□	
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety															**0** **1** **2**
Example		**3SU1**	**9**	**0**	**0**	**–**	**0**	**A**	**B**	**2**	**0**	**–**	**0**	**A**	**B**	**0**

Note:

The Article No. schemes show an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

Application

Environmental conditions

The pushbuttons and indicator lights are climate-proof (KTW 24) and suitable for standard industrial applications and operation in marine applications.

Simple electrical equipment

Non-illuminated actuators, contact modules, enclosures and special accessories can be classified as simple electrical equipment according to IEC 60079-11. This means that they may be used in intrinsically safe circuits in potentially explosive atmospheres. An overview of the devices and atmospheres can be found in Confirmation No. 3287.01.

Safety EMERGENCY STOP pushbuttons according to ISO 13850

For controls according to IEC/EN 60204-1, the SIRIUS ACT mushroom pushbuttons are suitable for use as safety EMERGENCY STOP pushbuttons.

Safety circuits

The IEC/EN 60947-5-1 standard requires positive opening. This means that for the purpose of personal safety, the reliable opening of NC contacts in all safety circuits is expressly prescribed for the electrical equipment of machines and is designated according to IEC 60947-5-1 with the symbol (⊖).

Category 4 according to EN ISO 13849-1 can be attained with the EMERGENCY STOP mushroom pushbuttons if the corresponding fail-safe evaluation units are selected and correctly installed, e.g. the 3SK11 safety relays or the 3RK3 Modular Safety System (see page 11/1 onwards) or matching units from the ASIsafe, SIMATIC or SINUMERIK product ranges.

The SIRIUS ACT pushbuttons and indicator lights can be connected to the AS-Interface communication system quickly and safely.

The following solutions are available:

- AS-Interface modules
- AS-Interface module in safety-related version for EMERGENCY STOP mushroom pushbutton
- Ready-fitted AS-Interface enclosures with 1 to 6 command points

IO-Link

The SIRIUS ACT pushbuttons and indicator lights can be connected to IO-Link quickly and safely. The connection is made via a special IO-Link module.

Technical specifications

More information	
Industry Mall, see www.siemens.com/product?3SU1	Configurator, see www.siemens.com/sirius-act/configurator Conversion tool, see www.siemens.com/sirius/conversion-tool Manual, see https://support.industry.siemens.com/cs/ww/en/view/107542462

Type		3SU1..0-.AA 3SU1..0-.JA	3SU1..1-.AA 3SU1..1-.JA	3SU1..0-.AB 3SU1..0-.BB 3SU1..0-.CB 3SU1..0-.DB 3SU1..0-.JB	3SU1..1-.AB 3SU1..1-.BB 3SU1..1-.JB
Product version		**Pushbuttons**			
Operating principle of the actuating element		Latching		Momentary contact	
Optional expansion of product by light source		No	Yes	No	Yes
Mechanical endurance (operating cycles) typical		500 000		10 000 000	3 000 000
Switching frequency maximum	1/h	1 800		3 600	
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 *g* / 11 ms			
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 *g*			
Degree of protection		IP66, IP67, IP69 (IP69K)			
Environmental category during operation According to IEC 60721		3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%)			
Ambient temperature					
• During operation	°C	-25 … +70			
• During storage	°C	-40 … +80			

Type		3SU1.00-.AA 3SU1.00-.BA 3SU1.00-.CA 3SU1.30-.AA 3SU1.30-.BA 3SU1.50-.AA 3SU1.50-.BA 3SU1.50-.CA	3SU1.50-.EA	3SU1.01-.AA 3SU1.01-.BA 3SU1.51-.AA 3SU1.51-.BA 3SU1.51-.CA	3SU1.00-.AD 3SU1.00-.BD 3SU1.00-.CD 3SU1.30-.AD 3SU1.30-.BD 3SU1.50-.AD 3SU1.50-.BD 3SU1.50-.CD	3SU1.50-.ED	3SU1.01-.AD 3SU1.01-.BD 3SU1.31-.AD 3SU1.31-.BD
Product version		**Mushroom pushbuttons**					
Operating principle of the actuating element		Latching			Momentary contact		
Optional expansion of product by light source		No		Yes	No		Yes
Mechanical endurance (operating cycles) typical		500 000	300 000	500 000	10 000 000	300 000	3 000 000
Switching frequency maximum	1/h	1 800			3 600	1 800	3 600
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 *g* / 11 ms					
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 *g*					
Degree of protection		IP66, IP67, IP69 (IP69K)	IP65, IP67, IP69 (IP69K)	IP66, IP67, IP69 (IP69K)		IP65, IP67, IP69 (IP69K)	IP66, IP67, IP69 (IP69K)
Environmental category during operation According to IEC 60721		3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%)					
Ambient temperature							
• During operation	°C	-25 … +70					
• During storage	°C	-40 … +80					

General data

Type		**3SU1...-.J** **3SU1...-.H** **3SU1...-.G**
Product version		**EMERGENCY STOP mushroom pushbuttons**
Mechanical endurance (operating cycles)		300 000
Switching frequency maximum	1/h	600
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 *g* / 11 ms
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 *g*
Degree of protection		IP66, IP67, IP69 (IP69K)
Environmental category during operation According to IEC 60721		3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%)
Ambient temperature		
• During operation	°C	-25 ... +70
• During storage	°C	-40 ... +80

Type		**3SU1.5.-2A** **3SU1.5.-2B** **3SU1.5.-2C** **3SU1.5.-2D** **3SU1.5.-2E**	**3SU1.0.-2A** **3SU1.0.-2B** **3SU1.0.-2C** **3SU1.3.-2A** **3SU1.3.-2B** **3SU1.3.-2C**	**3SU1.0.-3E** **3SU1.3.-3E** **3SU1.5.-3E**	**3SU1.0.-4B** **3SU1.0.-4C** **3SU1.0.-4D** **3SU1.0.-4F** **3SU1.0.-4G** **3SU1.0.-4H** **3SU1.0.-4J** **3SU1.0.-4L** **3SU1.0.-5B** **3SU1.0.-5H** **3SU1.0.-5P** **3SU1.0.-5Q** **3SU1.0.-5R** **3SU1.0.-5S** **3SU1.0.-5T** **3SU1.0.-5X**	**3SU1...-4B** **3SU1...-4C** **3SU1...-4D** **3SU1...-4F** **3SU1...-4G** **3SU1...-4H** **3SU1...-4J** **3SU1...-4L** **3SU1...-5B** **3SU1...-5H** **3SU1...-5K** **3SU1...-5L** **3SU1...-5P** **3SU1...-5Q** **3SU1...-5R** **3SU1...-5S** **3SU1...-5T** **3SU1...-5X**	**3SU1.0.-7A** **3SU1.0.-7B** **3SU1.3.-7A** **3SU1.3.-7B** **3SU1.5.-7A** **3SU1.5.-7B**
Product version		**Selector switches**		**Toggle switches**	**Key-operated switches**		**Coordinate switches**
Mechanical endurance (operating cycles)		300 000	1 000 000			300 000	250 000
Switching frequency maximum	1/h	1 800					3 600
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 *g* / 11 ms					
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 *g*					
Degree of protection		IP66, IP67, IP69 (IP69K)		IP66, IP67, IP69K	IP66, IP67, IP69 (IP69K)		IP65, IP67
Ambient temperature							
• During operation	°C	-25 … +70					
• During storage	°C	-40 … +80					

General data

Type		3SU1400-.AA10-1.A0	3SU1400-1AA10-1GA0, 3SU1400-1AA10-1RA0	3SU1400-1AA10-1HA0	3SU1400-.AA10-3.A0	3SU1400-1AA10-3HA0	3SU1400-3AA10-5.A0
Product version		**Contact modules**					
Rated insulation voltage	V	500					
Pollution degree		3					
Impulse withstand voltage, rated value	kV	6					
Operational voltage type		AC/DC					
Operational voltage, rated value							
• At AC at 50 Hz	V	5 … 500					
• At DC	V	5 … 500					
Thermal current	A	10					
Operational current, rated value							
• At AC-12							
- At 24 V	A	10					
- At 230 V	A	8					
• At AC-15							
- At 24 V	A	6					
- At 230 V	A	6	4		6		6
- At 400 V	A	3					
- At 500 V	A	1.4					
• At DC-12							
- At 24 V	A	10					
- At 48 V	A	5					
- At 110 V	A	2.5					
- At 230 V	A	1		0.3	1	0.3	1
- At 400 V	A	0.3					
- At 500 V	A	0.3		0.2	0.3		
• At DC-13							
- At 24 V	A	3					
- At 48 V	A	1.5					
- At 110 V	A	0.7		0.6	0.7	0.6	0.7
- At 230 V	A	0.3					
- At 400 V	A	0.1					
- At 500 V	A	0.1					
Contact reliability		One contact failure per 100 million switching operations (17 V, 5 mA), one contact failure per 10 million switching operations (5 V, 1 mA)					
Mechanical endurance (operating cycles) typical		10 000 000					
Switching frequency maximum	1/s	3 600					
Fuse link version required for short-circuit protection of the auxiliary switch with type of coordination 1		gG / Dz 10 A, quick-response / Dz 10 A					
Continuous current of miniature circuit breaker C characteristic	A	10					
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 *g*					
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 *g* / 11 ms					
Climate class during operation according to IEC 60721		3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%, no condensation permitted in operation)					
Ambient temperature							
• During operation	°C	-25 … +70					
• During storage	°C	-40 … +80					
Degree of protection							
• Of enclosure		IP40					
Type of electrical connection		**Screw terminals**			**Spring-type terminals**		**Socket terminals (THT)**
Type of connectable conductor cross-sections							
• Solid with end sleeve	mm²	2 x (0.5 ... 0.75)			--		
• Solid without end sleeve	mm²	2 x (1.0 ... 1.5)			2 x (0.25 ... 1.5)		--
• Finely stranded with end sleeve	mm²	2 x (0.5 ... 1.5)			2 x (0.25 ... 0.75)		--
• Finely stranded without end sleeve	mm²	2 x (1.0 ... 1.5)			2 x (0.25 ... 1.5)		--
• For AWG cables		2 x (18 ... 14)			2 x (24 ... 16)		--
Tightening torque for screw terminals	Nm	0.8 ... 0.9			--		

General data

Type		3SU1401-.....-1	3SU1401-.....-3	3SU1401-.....-5
Product version		LED module		
Light source integrated in product		Yes		
Type of light source		LED		
Rated insulation voltage	V	320		
Pollution degree		3		
Impulse withstand voltage, rated value	kV	4		
Relative positive tolerance of the operational voltage	%	20		
Relative negative tolerance of the operational voltage	%	20		
Operating time typical	h	100 000		
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 *g*		
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 *g* / 11 ms		
Environmental category during operation According to IEC 60721		3M6, 3S2, 3B2, 3K6 (with a relative air humidity of 10 ... 95%, no condensation permitted in operation)		
Ambient temperature				
• During operation	°C	-25 … +70		
• During storage	°C	-40 … +80		
Type of electrical connection		**Screw terminals**	**Spring-type terminals**	**Socket terminals (THT)**

Type		3SU1400-1LK10-1AA1	3SU1400-1LK10-3AA1	3SU1400-1LL10-1BA1	3SU1400-1LL10-3BA1
Product designation		Interface module		Fail-safe interface module	
Operational voltage type		DC			
Supply voltage at DC rated value	V	24			
Current consumed, maximum	mA	150			
Product function at the interface 1 PROFINET IO-Device		Yes			
Type of interface Fast Ethernet interface		Yes			
Type of interface 1 RJ45 (Ethernet) interface		Yes			
Number of ports at the interface 1		1			
Number of modules per rack, maximum		20			
Number of digital outputs		0		1	
Number of digital inputs		0		4	
Software version required for STEP 7 in the TIA Portal		Integrated in the TIA Portal, version 14 SP1 or higher (HSP for V13 and V14)			
SIL response limit (subsystem) according to IEC 62061		--		SIL CL 3	
Performance level (PL) according to EN ISO 13849-1		--		e	
Ambient temperature					
• During operation	°C	60 … -25			
• During storage	°C	80 … -40			
Connectable conductor cross-section					
• Solid					
- With end sleeves	mm^2	0.2 ... 2.5			
• Finely stranded					
- With end sleeves	mm^2	0.25 … 2.5			
- Without end sleeves	mm^2	0.2 ... 2.5			

3SU1 22 mm, Round, Plastic, Black — Complete Units

Selection and ordering data

Supply voltage for light source at AC V	Supply voltage for light source at DC V	Color	Number of Contact modules	Number of NO contacts	Number of NC contacts	SD d	Screw terminals Article No.	Screw terminals Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons										
		Pushbuttons with flat button, momentary contact								
13	--	Black	1	1	0	▶	**3SU1100-0AB10-1BA0**		1	1 unit
			0	0	1	▶	**3SU1100-0AB10-1CA0**		1	1 unit
			1	1	1	▶	**3SU1100-0AB10-1FA0**		1	1 unit
		Red	1	1	0	▶	**3SU1100-0AB20-1BA0**		1	1 unit
			0	0	1	▶	**3SU1100-0AB20-1CA0**		1	1 unit
				1	1	▶	**3SU1100-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	3	**3SU1100-0AB30-1BA0**		1	1 unit
				1	1	3	**3SU1100-0AB30-1FA0**		1	1 unit
		Green	1	1	0	▶	**3SU1100-0AB40-1BA0**		1	1 unit
				1	1	▶	**3SU1100-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	▶	**3SU1100-0AB50-1BA0**		1	1 unit
				1	1	3	**3SU1100-0AB50-1FA0**		1	1 unit
		White	1	1	0	▶	**3SU1100-0AB60-1BA0**		1	1 unit
				1	1	3	**3SU1100-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1100-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1100-0AB70-1FA0**		1	1 unit
		Gray	1	1	1	5	**3SU1100-0AB80-1FA0**		1	1 unit
		Pushbuttons with raised button, momentary contact								
--	--	Black	1	0	1	5	**3SU1100-0BB10-1CA0**		1	1 unit
				1	1	5	**3SU1100-0BB10-1FA0**		1	1 unit
		Red	1	0	1	5	**3SU1100-0BB20-1CA0**		1	1 unit
				1	1	5	**3SU1100-0BB20-1FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1100-0BB50-1BA0**		1	1 unit
		Illuminated pushbuttons with flat button, momentary contact with integrated LED								
24	24	Red	1	1	0	5	**3SU1102-0AB20-1BA0**		1	1 unit
				0	1	▶	**3SU1102-0AB20-1CA0**		1	1 unit
				1	1	▶	**3SU1102-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	▶	**3SU1102-0AB30-1BA0**		1	1 unit
				1	1	3	**3SU1102-0AB30-1FA0**		1	1 unit
		Green	1	1	0	▶	**3SU1102-0AB40-1BA0**		1	1 unit
				1	1	▶	**3SU1102-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	▶	**3SU1102-0AB50-1BA0**		1	1 unit
				1	1	3	**3SU1102-0AB50-1FA0**		1	1 unit
		White	1	1	0	▶	**3SU1102-0AB60-1BA0**		1	1 unit
				1	1	▶	**3SU1102-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	▶	**3SU1102-0AB70-1BA0**		1	1 unit
				1	1	3	**3SU1102-0AB70-1FA0**		1	1 unit
110	--	Red	1	0	1	5	**3SU1103-0AB20-1CA0**		1	1 unit
				1	1	3	**3SU1103-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1103-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1103-0AB30-1FA0**		1	1 unit
		Green	1	1	0	3	**3SU1103-0AB40-1BA0**		1	1 unit
				1	1	3	**3SU1103-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1103-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1103-0AB50-1FA0**		1	1 unit
		White	1	1	0	5	**3SU1103-0AB60-1BA0**		1	1 unit
				1	1	5	**3SU1103-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1103-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1103-0AB70-1FA0**		1	1 unit



3SU1100-0AB40-1BA0



3SU1100-0BB20-1CA0



3SU1102-0AB40-1BA0



3SU1103-0AB20-1CA0

3SU1 22 mm, Round, Plastic, Black — Complete Units

Pushbuttons

Supply voltage for light source at AC V	Supply voltage for light source at DC V	Color	Number of Contact modules	Number of NO contacts	Number of NC contacts	SD d	Screw terminals Article No.	PU (UNIT, SET, M) Price per PU	PS*
Pushbuttons									
		Illuminated pushbuttons with flat button, momentary contact with integrated LED							
230	--	Red	1	0	1	5	**3SU1106-0AB20-1CA0**	1	1 unit
				1	1	3	**3SU1106-0AB20-1FA0**	1	1 unit
		Yellow	1	1	0	5	**3SU1106-0AB30-1BA0**	1	1 unit
				1	1	5	**3SU1106-0AB30-1FA0**	1	1 unit
		Green	1	1	0	3	**3SU1106-0AB40-1BA0**	1	1 unit
				1	1	3	**3SU1106-0AB40-1FA0**	1	1 unit
		Blue	1	1	0	5	**3SU1106-0AB50-1BA0**	1	1 unit
				1	1	5	**3SU1106-0AB50-1FA0**	1	1 unit
		White	1	1	0	5	**3SU1106-0AB60-1BA0**	1	1 unit
				1	1	5	**3SU1106-0AB60-1FA0**	1	1 unit
		Clear	1	1	0	5	**3SU1106-0AB70-1BA0**	1	1 unit
				1	1	5	**3SU1106-0AB70-1FA0**	1	1 unit
							Spring-type terminals		
		Pushbuttons with flat button, momentary contact							
--	--	Black	1	1	0	3	**3SU1100-0AB10-3BA0**	1	1 unit
			1	0	1	5	**3SU1100-0AB10-3CA0**	1	1 unit
				1	1	5	**3SU1100-0AB10-3FA0**	1	1 unit
		Red	1	0	1	5	**3SU1100-0AB20-3CA0**	1	1 unit
				1	1	5	**3SU1100-0AB20-3FA0**	1	1 unit
		Yellow	1	1	0	5	**3SU1100-0AB30-3BA0**	1	1 unit
				1	1	5	**3SU1100-0AB30-3FA0**	1	1 unit
		Green	1	1	0	5	**3SU1100-0AB40-3BA0**	1	1 unit
				1	1	5	**3SU1100-0AB40-3FA0**	1	1 unit
		Blue	1	1	0	5	**3SU1100-0AB50-3BA0**	1	1 unit
				1	1	5	**3SU1100-0AB50-3FA0**	1	1 unit
		White	1	1	0	5	**3SU1100-0AB60-3BA0**	1	1 unit
				1	1	5	**3SU1100-0AB60-3FA0**	1	1 unit
		Illuminated pushbuttons with flat button, momentary contact with integrated LED							
24	24	Red	1	0	1	5	**3SU1102-0AB20-3CA0**	1	1 unit
				1	1	5	**3SU1102-0AB20-3FA0**	1	1 unit
		Yellow	1	1	0	5	**3SU1102-0AB30-3BA0**	1	1 unit
				1	1	5	**3SU1102-0AB30-3FA0**	1	1 unit
		Green	1	1	0	3	**3SU1102-0AB40-3BA0**	1	1 unit
				1	1	5	**3SU1102-0AB40-3FA0**	1	1 unit
		Blue	1	1	0	5	**3SU1102-0AB50-3BA0**	1	1 unit
				1	1	5	**3SU1102-0AB50-3FA0**	1	1 unit
		White	1	1	0	3	**3SU1102-0AB60-3BA0**	1	1 unit
				1	1	5	**3SU1102-0AB60-3FA0**	1	1 unit
		Clear	1	1	0	5	**3SU1102-0AB70-3BA0**	1	1 unit
				1	1	5	**3SU1102-0AB70-3FA0**	1	1 unit
110	--	Red	1	0	1	5	**3SU1103-0AB20-3CA0**	1	1 unit
				1	1	5	**3SU1103-0AB20-3FA0**	1	1 unit
		Yellow	1	1	1	5	**3SU1103-0AB30-3FA0**	1	1 unit
		Green	1	1	0	5	**3SU1103-0AB40-3BA0**	1	1 unit
				1	1	5	**3SU1103-0AB40-3FA0**	1	1 unit
		Blue	1	1	1	5	**3SU1103-0AB50-3FA0**	1	1 unit
		White	1	1	0	5	**3SU1103-0AB60-3BA0**	1	1 unit
				1	1	5	**3SU1103-0AB60-3FA0**	1	1 unit
		Clear	1	1	0	5	**3SU1103-0AB70-3BA0**	1	1 unit
				1	1	5	**3SU1103-0AB70-3FA0**	1	1 unit
230	--	Red	1	0	1	5	**3SU1106-0AB20-3CA0**	1	1 unit
				1	1	5	**3SU1106-0AB20-3FA0**	1	1 unit
		Yellow	1	1	1	5	**3SU1106-0AB30-3FA0**	1	1 unit
		Green	1	1	0	5	**3SU1106-0AB40-3BA0**	1	1 unit
				1	1	5	**3SU1106-0AB40-3FA0**	1	1 unit
		Blue	1	1	1	5	**3SU1106-0AB50-3FA0**	1	1 unit
		White	1	1	0	5	**3SU1106-0AB60-3BA0**	1	1 unit
				1	1	5	**3SU1106-0AB60-3FA0**	1	1 unit
		Clear	1	1	0	5	**3SU1106-0AB70-3BA0**	1	1 unit
				1	1	5	**3SU1106-0AB70-3FA0**	1	1 unit


3SU1106-0AB40-1BA0


3SU1100-0AB30-3BA0


3SU1102-0AB20-3CA0

3SU1 22 mm, Round, Plastic, Black — Complete Units

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Selection and ordering data

Unlatching method	Number of Contact modules	NO contacts	NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Mushroom pushbuttons								
With red mushroom, diameter 40 mm, latching								
Pull to unlatch	1	0	1	3	**3SU1100-1BA20-1CA0**		1	1 unit
		1	1	3	**3SU1100-1BA20-1FA0**		1	1 unit
					Spring-type terminals			
Pull to unlatch	1	0	1	5	**3SU1100-1BA20-3CA0**		1	1 unit
		1	1	5	**3SU1100-1BA20-3FA0**		1	1 unit



3SU1100-1BA20-3CA0

Selection and ordering data

Unlatching method	Number of Contact modules	NO contacts	NC contacts	Marking	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5									
With red mushroom, diameter 40 mm, with positive latching									
Pull to unlatch	1	0	1	NOT-HALT ⊖	5	**3SU1100-1HA20-1CH0**		1	1 unit
		1	1	EMERGENCY STOP ⊖	5	**3SU1100-1HA20-1FG0**		1	1 unit
		1	1	NOT-HALT ⊖	5	**3SU1100-1HA20-1FH0**		1	1 unit
Rotate to unlatch	1	0	1	None ⊖	5	**3SU1100-1HB20-1CF0**		1	1 unit
		0	1	EMERGENCY STOP ⊖	5	**3SU1100-1HB20-1CG0**		1	1 unit
		0	1	NOT-HALT ⊖	▶	**3SU1100-1HB20-1CH0**		1	1 unit
		0	2	EMERGENCY STOP ⊖	5	**3SU1100-1HB20-1PG0**		1	1 unit
		1	1	EMERGENCY STOP ⊖	5	**3SU1100-1HB20-1FG0**		1	1 unit
		1	1	NOT-HALT ⊖	▶	**3SU1100-1HB20-1FH0**		1	1 unit
						Spring-type terminals			
Rotate to unlatch	1	0	1	NOT-HALT ⊖	5	**3SU1100-1HB20-3CH0**		1	1 unit
		1	1	NOT-HALT ⊖	5	**3SU1100-1HB20-3FH0**		1	1 unit
With red mushroom, diameter 40 mm, with latching NEW						**Screw terminals**			
Rotate to unlatch	2	0	2	NOT-HALT	5	**3SU1100-1LB20-1PH0**		1	1 unit



3SU1100-1HA20-1CH0



3SU1100-1HB20-1CH0



3SU1100-1LB20-1PH0

⊖ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.
Certificate:

3SU1 22 mm, Round, Plastic, Black — Complete Units

Selector switches

Selection and ordering data

Operating principle	Color Supply voltage for light source	Number of Contact modules	NO contacts	NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches									
 3SU1100-2BF60-1BA0									
Short black actuator, 2 switch positions, can be illuminated									
Latching, 90° 	White	1	1	0	▶	**3SU1100-2BF60-1BA0**		1	1 unit
		2	1	1	▶	**3SU1100-2BF60-1MA0**		1	1 unit
	White 110 V	1	1	0	5	**3SU1103-2BF60-1BA0**		1	1 unit
Short black actuator, 3 switch positions, can be illuminated									
Momentary contact, 2x45°, reset from left + right 	White	2	2	2	3	**3SU1100-2BM60-1LA0**		1	1 unit
			2	0	▶	**3SU1100-2BM60-1NA0**		1	1 unit
Latching, 2x45° 	White	2	2	2	▶	**3SU1100-2BL60-1LA0**		1	1 unit
			2	0	▶	**3SU1100-2BL60-1NA0**		1	1 unit
						Spring-type terminals			
 3SU1100-2BL60-1NA0									
Short black actuator, 2 switch positions, can be illuminated									
Latching, 90° 	White	1	1	0	5	**3SU1100-2BF60-3BA0**		1	1 unit
		2	1	1	5	**3SU1100-2BF60-3MA0**		1	1 unit
Short black actuator, 3 switch positions, can be illuminated									
Momentary contact, 2x45°, reset from left + right 	White	2	2	2	5	**3SU1100-2BM60-3LA0**		1	1 unit
			2	0	5	**3SU1100-2BM60-3NA0**		1	1 unit
Latching, 2x45° 	White	2	2	2	5	**3SU1100-2BL60-3LA0**		1	1 unit
			2	0	5	**3SU1100-2BL60-3NA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Complete Units

Key-operated switches

Selection and ordering data

Operating principle	Switch position for key removal	Number of Contact modules	NO contacts	NC contacts	Number of keys	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches										
With RONIS lock, SB30, 2 switch positions										
Latching, 90° (10:30/ 1:30 o'clock) 	O+I	1	1	0	2	▶	**3SU1100-4BF11-1BA0**		1	1 unit
			1	1	2	▶	**3SU1100-4BF11-1FA0**		1	1 unit
With RONIS lock, SB30, 3 switch positions										
Latching, 2x45° (10:30/ 1:30 o'clock) 	I+O+II	2	2	0	2	5	**3SU1100-4BL11-1NA0**		1	1 unit
							Spring-type terminals			
With RONIS lock, SB30, 2 switch positions										
Latching, 90° (10:30/ 1:30 o'clock) 	O+I	1	1	0	2	5	**3SU1100-4BF11-3BA0**		1	1 unit
			1	1	2	5	**3SU1100-4BF11-3FA0**		1	1 unit
With CES lock, SSG10, 2 switch positions										
Latching, 90° (10:30/ 1:30 o'clock) 	O+I	1	1	1	2	5	**3SU1100-5BF11-3FA0**		1	1 unit



3SU1100-4BF11-1BA0



3SU1100-4BL11-1NA0

3SU1 22 mm, Round, Plastic, Black — Complete Units

Coordinate switches

Selection and ordering data

	Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Coordinate switches								
 3SU1100-7AC10-1NA0	***Without mechanical interlock, 2 switch positions***							
	2	Momentary contact	Horizontal	5	**3SU1100-7AC10-1NA0**		1	1 unit
			Vertical	5	**3SU1100-7AD10-1NA0**		1	1 unit
		Latching	Horizontal	5	**3SU1100-7AA10-1NA0**		1	1 unit
			Vertical	5	**3SU1100-7AB10-1NA0**		1	1 unit
 3SU1100-7AF10-1QA0	***Without mechanical interlock, 4 switch positions***							
	4	Momentary contact	Horizontal/Vertical	3	**3SU1100-7AF10-1QA0**		1	1 unit
		Latching	Horizontal/Vertical	5	**3SU1100-7AE10-1QA0**		1	1 unit
 3SU1100-7BA10-1NA0	***With mechanical interlock, 2 switch positions***							
	2	Momentary contact	Horizontal	5	**3SU1100-7BC10-1NA0**		1	1 unit
			Vertical	5	**3SU1100-7BD10-1NA0**		1	1 unit
		Latching	Horizontal	5	**3SU1100-7BA10-1NA0**		1	1 unit
			Vertical	5	**3SU1100-7BB10-1NA0**		1	1 unit
 3SU1100-7BF10-1QA0	***With mechanical interlock, 4 switch positions***							
	4	Momentary contact	Horizontal/Vertical	5	**3SU1100-7BF10-1QA0**		1	1 unit
		Latching	Horizontal/Vertical	5	**3SU1100-7BE10-1QA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Complete Units

Indicator lights

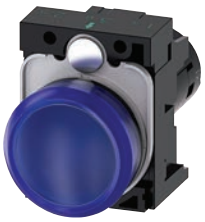
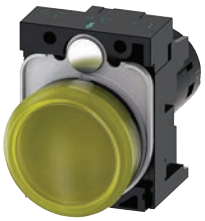
Selection and ordering data

	Operational voltage at AC, rated value	Operational voltage at DC, rated value	Color of actuating element	Color of light source	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V	V			d				
Indicator lights									
	With smooth lens and integrated LED								
 3SU1102-6AA30-1AA0	24	24	Red	Red	▶	**3SU1102-6AA20-1AA0**		1	1 unit
			Yellow	Yellow	▶	**3SU1102-6AA30-1AA0**		1	1 unit
			Green	Green	▶	**3SU1102-6AA40-1AA0**		1	1 unit
			Blue	Blue	▶	**3SU1102-6AA50-1AA0**		1	1 unit
			White	White	▶	**3SU1102-6AA60-1AA0**		1	1 unit
			Clear	White	▶	**3SU1102-6AA70-1AA0**		1	1 unit
 3SU1106-6AA50-1AA0	110	--	Amber	Amber	5	**3SU1103-6AA00-1AA0**		1	1 unit
			Red	Red	▶	**3SU1103-6AA20-1AA0**		1	1 unit
			Yellow	Yellow	▶	**3SU1103-6AA30-1AA0**		1	1 unit
			Green	Green	▶	**3SU1103-6AA40-1AA0**		1	1 unit
			Blue	Blue	3	**3SU1103-6AA50-1AA0**		1	1 unit
			White	White	▶	**3SU1103-6AA60-1AA0**		1	1 unit
			Clear	White	3	**3SU1103-6AA70-1AA0**		1	1 unit
	230	--	Amber	Amber	5	**3SU1106-6AA00-1AA0**		1	1 unit
			Red	Red	▶	**3SU1106-6AA20-1AA0**		1	1 unit
			Yellow	Yellow	▶	**3SU1106-6AA30-1AA0**		1	1 unit
			Green	Green	▶	**3SU1106-6AA40-1AA0**		1	1 unit
			Blue	Blue	3	**3SU1106-6AA50-1AA0**		1	1 unit
			White	White	▶	**3SU1106-6AA60-1AA0**		1	1 unit
			Clear	White	3	**3SU1106-6AA70-1AA0**		1	1 unit
						Spring-type terminals			
 3SU1102-6AA40-3AA0	24	24	Red	Red	3	**3SU1102-6AA20-3AA0**		1	1 unit
			Yellow	Yellow	5	**3SU1102-6AA30-3AA0**		1	1 unit
			Green	Green	3	**3SU1102-6AA40-3AA0**		1	1 unit
			Blue	Blue	5	**3SU1102-6AA50-3AA0**		1	1 unit
			White	White	3	**3SU1102-6AA60-3AA0**		1	1 unit
			Clear	White	5	**3SU1102-6AA70-3AA0**		1	1 unit
 3SU1106-6AA60-3AA0	110	--	Red	Red	5	**3SU1103-6AA20-3AA0**		1	1 unit
			Yellow	Yellow	5	**3SU1103-6AA30-3AA0**		1	1 unit
			Green	Green	5	**3SU1103-6AA40-3AA0**		1	1 unit
			Blue	Blue	5	**3SU1103-6AA50-3AA0**		1	1 unit
			White	White	5	**3SU1103-6AA60-3AA0**		1	1 unit
			Clear	White	5	**3SU1103-6AA70-3AA0**		1	1 unit
	230	--	Red	Red	5	**3SU1106-6AA20-3AA0**		1	1 unit
			Yellow	Yellow	5	**3SU1106-6AA30-3AA0**		1	1 unit
			Green	Green	5	**3SU1106-6AA40-3AA0**		1	1 unit
			Blue	Blue	5	**3SU1106-6AA50-3AA0**		1	1 unit
			White	White	5	**3SU1106-6AA60-3AA0**		1	1 unit
			Clear	White	5	**3SU1106-6AA70-3AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Compact Units

Sensor switches / Potentiometers

Selection and ordering data

	Operational voltage at AC, rated value	Operational voltage at DC, rated value	Color of actuating element	Color of light source	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V	V			d				
Indicator lights NEW									
 3SU1201-6AB50-1AA0	24	24	Amber	Amber	3	**3SU1201-6AB00-1AA0**		1	1 unit
			Red	Red	▶	**3SU1201-6AB20-1AA0**		1	1 unit
			Yellow	Yellow	▶	**3SU1201-6AB30-1AA0**		1	1 unit
			Green	Green	▶	**3SU1201-6AB40-1AA0**		1	1 unit
			Blue	Blue	3	**3SU1201-6AB50-1AA0**		1	1 unit
			White	White	▶	**3SU1201-6AB60-1AA0**		1	1 unit
			Clear	Clear	▶	**3SU1201-6AB70-1AA0**		1	1 unit
 3SU1201-6AC30-1AA0	110	110	Amber	Amber	5	**3SU1201-6AC00-1AA0**		1	1 unit
			Red	Red	3	**3SU1201-6AC20-1AA0**		1	1 unit
			Yellow	Yellow	3	**3SU1201-6AC30-1AA0**		1	1 unit
			Green	Green	3	**3SU1201-6AC40-1AA0**		1	1 unit
			Blue	Blue	5	**3SU1201-6AC50-1AA0**		1	1 unit
			White	White	3	**3SU1201-6AC60-1AA0**		1	1 unit
			Clear	Clear	5	**3SU1201-6AC70-1AA0**		1	1 unit
 3SU1201-6AF30-1AA0	230	230	Amber	Amber	5	**3SU1201-6AF00-1AA0**		1	1 unit
			Red	Red	3	**3SU1201-6AF20-1AA0**		1	1 unit
			Yellow	Yellow	3	**3SU1201-6AF30-1AA0**		1	1 unit
			Green	Green	3	**3SU1201-6AF40-1AA0**		1	1 unit
			Blue	Blue	5	**3SU1201-6AF50-1AA0**		1	1 unit
			White	White	3	**3SU1201-6AF60-1AA0**		1	1 unit
			Clear	Clear	5	**3SU1201-6AF70-1AA0**		1	1 unit
Indicator lights with "traffic light" LED									
 3SU1201-6AG24-1AA0	6 ... 24	6 ... 24	Clear	Red/Yellow/Green	▶	**3SU1201-6AG24-1AA0**		1	1 unit
	110	--	Clear	Red/Yellow/Green	▶	**3SU1201-6AC24-1AA0**		1	1 unit
	230	--	Clear	Red/Yellow/Green	▶	**3SU1201-6AF24-1AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Compact Units

Pushbuttons with extended stroke

Selection and ordering data

Operational voltage at AC, rated value	Operational voltage at DC, rated value	Volume level	SD	Screw terminals — Article No.	Price per PU	PU (UNIT, SET, M)	PS*
V	V	dB	d				
Acoustic signaling devices							
24	24	90	5	**3SU1200-6KB10-1AA0**		1	1 unit
110	--	90	5	**3SU1200-6KC10-1AA0**		1	1 unit
230	--	90	5	**3SU1200-6KF10-1AA0**		1	1 unit



3SU1200-6KB10-1AA0

Selection and ordering data

Operating principle	Number of NO contacts	Number of NC contacts	Color	SD	M12 connector, 4-pin — Article No.	Price per PU	PU (UNIT, SET, M)	PS*
				d				
Sensor switches								
Whether integrated in the two-hand operation console or installed as a door opening contact, the capacitive sensor switch is suitable for many different applications in industrial environments. The switch is actuated by simple contact with the hand or other part of the body (i.e. without the application of pressure). As a result, these switches are rugged, extremely durable and have the highest possible degree of protection IP66, IP67, IP69 (IP69K).								
Without pressure	1	0	Black	▶	**3SU1200-1SK10-2SA0**		1	1 unit



3SU1200-1SK10-2SA0

Optional accessories

- "Protection for sensor switches", see page 10/157.
- "Connectors for sensor switches, angled socket with screw terminal connection", see page 10/165.

Selection and ordering data

Version of actuating element	Operating principle	Adjustable resistance	SD	Screw terminals — Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		kΩ	d				
Potentiometers							
Rotary knob	Stepless	1	▶	**3SU1200-2PQ10-1AA0**		1	1 unit
		2.2	5	**3SU1200-2PW10-1AA0**		1	1 unit
		4.7	▶	**3SU1200-2PR10-1AA0**		1	1 unit
		10	▶	**3SU1200-2PS10-1AA0**		1	1 unit
		47	▶	**3SU1200-2PT10-1AA0**		1	1 unit
		100	▶	**3SU1200-2PU10-1AA0**		1	1 unit
		470	▶	**3SU1200-2PV10-1AA0**		1	1 unit



3SU1200-2PQ10-1AA0

Labeling plates for potentiometers, see page 10/153.

3SU1 22 mm, Round, Plastic, Black — Compact Units

Pushbuttons with extended stroke

Selection and ordering data

Version	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons with extended stroke						
For actuating relays, can only be combined with extension plunger, no contact module or LED module required						
 3SU1200-0EB20-0AA0 **Pushbuttons with flat button**	Red	5	**3SU1200-0EB20-0AA0**		1	1 unit
	Green	5	**3SU1200-0EB40-0AA0**		1	1 unit
 3SU1200-0FB10-0AA0 **Pushbuttons with raised button**	Black	▶	**3SU1200-0FB10-0AA0**		1	1 unit
	Red	5	**3SU1200-0FB20-0AA0**		1	1 unit
 3SU1201-0EB70-0AA0 **Pushbuttons with flat transparent button for insertion of insert labels**	Red	▶	**3SU1201-0EB20-0AA0**		1	1 unit
	Clear	▶	**3SU1201-0EB70-0AA0**		1	1 unit
Mechanical reset kit - complete			**3SU1200-0KB10-0AA0**			

Version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Accessories							
 3SU1900-0KG10-0AA0 **Extension plungers** For compensation of the distance between the pushbutton and the unlatching button of an overload relay	Plastic	Gray	▶	**3SU1900-0KG10-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Pushbuttons

Selection and ordering data

Version of actuating element / Front ring version	Operating principle / Unlatching method	Color, marking	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons							
 3SU1000-0AB20-0AD0							
Pushbuttons with flat button Standard	Momentary contact	Black	▶	**3SU1000-0AB10-0AA0**		1	1 unit
		Black, "O"	▶	**3SU1000-0AB10-0AD0**		1	1 unit
		Red	▶	**3SU1000-0AB20-0AA0**		1	1 unit
		Red, "O"	▶	**3SU1000-0AB20-0AD0**		1	1 unit
		Yellow	▶	**3SU1000-0AB30-0AA0**		1	1 unit
		Green	▶	**3SU1000-0AB40-0AA0**		1	1 unit
		Green, "I"	▶	**3SU1000-0AB40-0AC0**		1	1 unit
		Blue	▶	**3SU1000-0AB50-0AA0**		1	1 unit
		Blue, "R"	5	**3SU1000-0AB50-0AR0**		1	1 unit
		White	▶	**3SU1000-0AB60-0AA0**		1	1 unit
		White, "I"	▶	**3SU1000-0AB60-0AC0**		1	1 unit
		Clear	▶	**3SU1000-0AB70-0AA0**		1	1 unit
		Gray	▶	**3SU1000-0AB80-0AA0**		1	1 unit
 3SU1000-0AA30-0AA0	Latching / Push to unlatch	Black	▶	**3SU1000-0AA10-0AA0**		1	1 unit
		Red	▶	**3SU1000-0AA20-0AA0**		1	1 unit
		Yellow	3	**3SU1000-0AA30-0AA0**		1	1 unit
		Green	▶	**3SU1000-0AA40-0AA0**		1	1 unit
		Blue	▶	**3SU1000-0AA50-0AA0**		1	1 unit
		White	▶	**3SU1000-0AA60-0AA0**		1	1 unit
 3SU1000-0BB30-0AA0							
Pushbuttons with raised button Standard	Momentary contact	Black	▶	**3SU1000-0BB10-0AA0**		1	1 unit
		Red	▶	**3SU1000-0BB20-0AA0**		1	1 unit
		Yellow	5	**3SU1000-0BB30-0AA0**		1	1 unit
		Green	▶	**3SU1000-0BB40-0AA0**		1	1 unit
		Blue	▶	**3SU1000-0BB50-0AA0**		1	1 unit
		White	▶	**3SU1000-0BB60-0AA0**		1	1 unit
 3SU1000-0CB40-0AA0							
Pushbuttons with flat button Raised	Momentary contact	Black	3	**3SU1000-0CB10-0AA0**		1	1 unit
		Red	5	**3SU1000-0CB20-0AA0**		1	1 unit
		Yellow	5	**3SU1000-0CB30-0AA0**		1	1 unit
		Green	5	**3SU1000-0CB40-0AA0**		1	1 unit
		Blue	5	**3SU1000-0CB50-0AA0**		1	1 unit
		White	5	**3SU1000-0CB60-0AA0**		1	1 unit
 3SU1000-0DB50-0AA0							
Pushbuttons with flat button Raised, castellated	Momentary contact	Black	3	**3SU1000-0DB10-0AA0**		1	1 unit
		Red	5	**3SU1000-0DB20-0AA0**		1	1 unit
		Yellow	5	**3SU1000-0DB30-0AA0**		1	1 unit
		Green	5	**3SU1000-0DB40-0AA0**		1	1 unit
		Blue	5	**3SU1000-0DB50-0AA0**		1	1 unit
		White	5	**3SU1000-0DB60-0AA0**		1	1 unit

Front ring	Operating principle	Colors caps/ markings	Direction of Actuation	SD d	**Screw terminals** Article No.	Price	PU (UNIT, SET, M)	PS*
Quadruple pushbuttons								
 3SU1000-3FB11-0AA0								
Plastic, Black	Momentary Action	Black, None	Up/Down/ Left/Right		**3SU1000-3FB11-0AA0**		1	1 unit
Plastic, Black	Momentary Action	Black, Arrows	Up/Down/ Left/Right		**3SU1000-3FB11-0AU0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

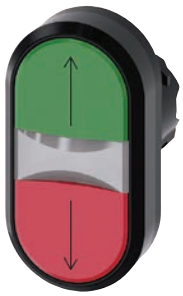
Pushbuttons

	Version of actuating element Front ring version	Operating principle Unlatching method	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons								
 3SU1001-0AB40-0AA0	**Illuminated pushbuttons with flat button** Standard	Momentary contact	Amber	5	**3SU1001-0AB00-0AA0**		1	1 unit
			Red	▶	**3SU1001-0AB20-0AA0**		1	1 unit
			Yellow	▶	**3SU1001-0AB30-0AA0**		1	1 unit
			Green	▶	**3SU1001-0AB40-0AA0**		1	1 unit
			Blue	▶	**3SU1001-0AB50-0AA0**		1	1 unit
			White	▶	**3SU1001-0AB60-0AA0**		1	1 unit
			Clear	▶	**3SU1001-0AB70-0AA0**		1	1 unit
 3SU1001-0AA20-0AA0		Latching Push to unlatch	Red	▶	**3SU1001-0AA20-0AA0**		1	1 unit
			Yellow	▶	**3SU1001-0AA30-0AA0**		1	1 unit
			Green	▶	**3SU1001-0AA40-0AA0**		1	1 unit
			Blue	▶	**3SU1001-0AA50-0AA0**		1	1 unit
			White	▶	**3SU1001-0AA60-0AA0**		1	1 unit
			Clear	▶	**3SU1001-0AA70-0AA0**		1	1 unit
 3SU1001-0BB70-0AA0	**Illuminated pushbuttons with raised button** Standard	Momentary contact	Red	▶	**3SU1001-0BB20-0AA0**		1	1 unit
			Yellow	▶	**3SU1001-0BB30-0AA0**		1	1 unit
			Green	▶	**3SU1001-0BB40-0AA0**		1	1 unit
			Blue	▶	**3SU1001-0BB50-0AA0**		1	1 unit
			Clear	3	**3SU1001-0BB70-0AA0**		1	1 unit
 3SU1001-0DB50-0AA0	**Illuminated pushbuttons with flat button** Raised, castellated	Momentary contact	Blue	5	**3SU1001-0DB50-0AA0**		1	1 unit
 3SU1000-0HC10-0AA0	**Stop pushbuttons** Standard	Momentary contact, latching by pressing in and turning to the right, rotate-to-unlatch to the left	Black	3	**3SU1000-0HC10-0AA0**		1	1 unit
			Red	3	**3SU1000-0HC20-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Twin pushbuttons

Selection and ordering data

	Version of actuating element	Operating principle	Color	Marking Symbol No.	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Twin pushbuttons									
 3SU1000-3AB66-0AL0	**Twin pushbuttons** flat, flat	Momentary contact	Green/Red	--	3	**3SU1000-3AB42-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1000-3AB42-0AK0**		1	1 unit
			White/Black	--	▶	**3SU1000-3AB61-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1000-3AB61-0AK0**		1	1 unit
			White/White	--	3	**3SU1000-3AB66-0AA0**		1	1 unit
				"–"/"+"	5	**3SU1000-3AB66-0AL0**		1	1 unit
				Arrows, hor.	5	**3SU1000-3AB66-0AM0**		1	1 unit
				Arrows, vert.	5	**3SU1000-3AB66-0AN0**		1	1 unit
			Black/Black	--	3	**3SU1000-3AB11-0AA0**		1	1 unit
				⊙ ○ 5264/5265 (IEC 60417)	3	**3SU1000-3AB11-0AQ0**		1	1 unit
 3SU1000-3BB42-0AK0	**Twin pushbuttons** flat, raised	Momentary contact	Green/Red	--	3	**3SU1000-3BB42-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1000-3BB42-0AK0**		1	1 unit
			White/Black	--	▶	**3SU1000-3BB61-0AA0**		1	1 unit
				"I"/"O"	5	**3SU1000-3BB61-0AK0**		1	1 unit
 3SU1001-3AB42-0AN0	**Twin pushbuttons** flat, flat, illuminated	Momentary contact	Green/Red	--	▶	**3SU1001-3AB42-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1001-3AB42-0AK0**		1	1 unit
				Arrows, vert.	3	**3SU1001-3AB42-0AN0**		1	1 unit
			White/Black	--	▶	**3SU1001-3AB61-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1001-3AB61-0AK0**		1	1 unit
			White/White	--	▶	**3SU1001-3AB66-0AA0**		1	1 unit
				"–"/"+"	5	**3SU1001-3AB66-0AL0**		1	1 unit
				Arrows, vert.	5	**3SU1001-3AB66-0AN0**		1	1 unit
				Symbols "Circular saw blade"/ "Tilt tipper"	5	**3SU1001-3AB66-0AP0**		1	1 unit
 3SU1001-3BB61-0AK0	**Twin pushbuttons** flat, raised, illuminated	Momentary contact	Green/Red	--	3	**3SU1001-3BB42-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1001-3BB42-0AK0**		1	1 unit
			White/Black	--	▶	**3SU1001-3BB61-0AA0**		1	1 unit
				"I"/"O"	3	**3SU1001-3BB61-0AK0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Mushroom pushbuttons

Selection and ordering data

	Version of actuating element	Operating principle Unlatching method	Color, marking	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Mushroom pushbuttons								
 3SU1000-1AD20-0AA0	**Mushroom pushbuttons** 30 mm diameter, 2 positions	Momentary contact	Black ▶ Red ▶ Yellow ▶ Green ▶		**3SU1000-1AD10-0AA0** **3SU1000-1AD20-0AA0** **3SU1000-1AD30-0AA0** **3SU1000-1AD40-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Black ▶ Red ▶ Yellow 5		**3SU1000-1AA10-0AA0** **3SU1000-1AA20-0AA0** **3SU1000-1AA30-0AA0**		1 1 1	1 unit 1 unit 1 unit
 3SU1000-1BD40-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions	Momentary contact	Black ▶ Red ▶ Yellow 3 Green ▶		**3SU1000-1BD10-0AA0** **3SU1000-1BD20-0AA0** **3SU1000-1BD30-0AA0** **3SU1000-1BD40-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Black ▶ Red ▶ Red "O" ▶ Yellow 3 Green 5		**3SU1000-1BA10-0AA0** **3SU1000-1BA20-0AA0** **3SU1000-1BA20-0AD0** **3SU1000-1BA30-0AA0** **3SU1000-1BA40-0AA0**		1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1000-1CD10-0AA0	**Mushroom pushbuttons** 60 mm diameter, 2 positions	Momentary contact	Black 3 Red 5 Yellow 5 Green 3		**3SU1000-1CD10-0AA0** **3SU1000-1CD20-0AA0** **3SU1000-1CD30-0AA0** **3SU1000-1CD40-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Black 5 Red 5		**3SU1000-1CA10-0AA0** **3SU1000-1CA20-0AA0**		1 1	1 unit 1 unit
 3SU1001-1AD30-0AA0	**Mushroom pushbuttons** 30 mm diameter, 2 positions, illuminated	Momentary contact	Red 5 Yellow 3 Green 3 Blue 5 White 3 Clear 5		**3SU1001-1AD20-0AA0** **3SU1001-1AD30-0AA0** **3SU1001-1AD40-0AA0** **3SU1001-1AD50-0AA0** **3SU1001-1AD60-0AA0** **3SU1001-1AD70-0AA0**		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Red ▶ Yellow 3 Green 5 Blue 3 Clear 5		**3SU1001-1AA20-0AA0** **3SU1001-1AA30-0AA0** **3SU1001-1AA40-0AA0** **3SU1001-1AA50-0AA0** **3SU1001-1AA70-0AA0**		1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1001-1BA50-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions, illuminated	Momentary contact	Yellow 3 Green 3 White 3 Clear 3		**3SU1001-1BD30-0AA0** **3SU1001-1BD40-0AA0** **3SU1001-1BD60-0AA0** **3SU1001-1BD70-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Red ▶ Yellow 3 Green 5 Blue 3 Clear 5		**3SU1001-1BA20-0AA0** **3SU1001-1BA30-0AA0** **3SU1001-1BA40-0AA0** **3SU1001-1BA50-0AA0** **3SU1001-1BA70-0AA0**		1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1000-1HB10-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions	With positive latching Rotate to unlatch	Black ▶ Blue 3		**3SU1000-1HB10-0AA0** **3SU1000-1HB50-0AA0**		1 1	1 unit 1 unit
 3SU1000-1HG10-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions RONIS SB30	With positive latching Key-operated release	Black NEW 5		**3SU1000-1HG10-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

EMERGENCY STOP mushroom pushbuttons

Selection and ordering data

	Version of actuating element	Outer diameter of mushroom	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		mm		d				
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5								
	With pull-to-unlatch mechanism							
 3SU1000-1HA20-0AA0	With positive latching, 2 positions	40	Red	▶	**3SU1000-1HA20-0AA0**		1	1 unit
	With rotate-to-unlatch mechanism							
 3SU1000-1GB20-0AA0	With positive latching, 2 positions	33.8	Red	▶	**3SU1000-1GB20-0AA0**		1	1 unit
 3SU1000-1HB20-0AA0		40	Red	▶	**3SU1000-1HB20-0AA0**		1	1 unit
 3SU1000-1JB20-0AA0		60	Red	▶	**3SU1000-1JB20-0AA0**		1	1 unit
 3SU1000-1LB20-0AA0	With latching, 2 positions	40	Red	NEW ▶	**3SU1000-1LB20-0AA0**		1	1 unit
	With rotate-to-unlatch mechanism, can be illuminated							
 3SU1001-1HB20-0AA0	With positive latching, 2 positions	33.8	Red	▶	**3SU1001-1GB20-0AA0**		1	1 unit
		40	Red	▶	**3SU1001-1HB20-0AA0**		1	1 unit
		60	Red	▶	**3SU1001-1JB20-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

EMERGENCY STOP mushroom pushbuttons

	Version of actuating element	Outer diameter of mushroom	Make of lock	Color	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		mm				d				
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5										
	With key-operated release									
 3SU1000-1HF20-0AA0	With positive latching, 2 positions	40	RONIS SB30	Red	2	▶	**3SU1000-1HF20-0AA0**		1	1 unit
			RONIS 455	Red	2	3	**3SU1000-1HG20-0AA0**		1	1 unit
 3SU1000-1HK20-0AA0			BKS S1	Red	2	▶	**3SU1000-1HK20-0AA0**		1	1 unit
			BKS E7	Red	0	3	**3SU1000-1HM20-0AA0**		1	1 unit
			BKS E9	Red	0	3	**3SU1000-1HN20-0AA0**		1	1 unit
 3SU1000-1HQ20-0AA0			O.M.R. 73037	Red	2	▶	**3SU1000-1HQ20-0AA0**		1	1 unit
 3SU1000-1HR20-0AA0			CES SSG10	Red	2	▶	**3SU1000-1HR20-0AA0**		1	1 unit
			CES SSP9	Red	2	▶	**3SU1000-1HS20-0AA0**		1	1 unit
			CES SMS1	Red	2	3	**3SU1000-1HT20-0AA0**		1	1 unit

Selection and ordering data

	Number of switching positions	Number of command points	Color of actuating element	Operating principle of the actuating element	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
					d				
Toggle switches									
 3SU1000-3EA10-0AA0	2	1	Black	Latching	3	**3SU1000-3EA10-0AA0**		1	1 unit
				Momentary contact, reset from above	3	**3SU1000-3EC10-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Selector switches

Selection and ordering data

Version of actuating element	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches							
2 switch positions, can be illuminated							
 3SU1002-2BC40-0AA0							
Selector, short black actuator	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black ▶		**3SU1002-2BC10-0AA0**		1	1 unit
		Red ▶		**3SU1002-2BC20-0AA0**		1	1 unit
		Yellow ▶		**3SU1002-2BC30-0AA0**		1	1 unit
		Green ▶		**3SU1002-2BC40-0AA0**		1	1 unit
		Blue ▶		**3SU1002-2BC50-0AA0**		1	1 unit
		White ▶		**3SU1002-2BC60-0AA0**		1	1 unit
 3SU1002-2BF30-0AA0							
	Latching, 90° (10:30/1:30 o'clock) 	Black ▶		**3SU1002-2BF10-0AA0**		1	1 unit
		Red ▶		**3SU1002-2BF20-0AA0**		1	1 unit
		Yellow ▶		**3SU1002-2BF30-0AA0**		1	1 unit
		Green ▶		**3SU1002-2BF40-0AA0**		1	1 unit
		Blue ▶		**3SU1002-2BF50-0AA0**		1	1 unit
		White ▶		**3SU1002-2BF60-0AA0**		1	1 unit
 3SU1002-2CF20-0AA0							
Selector, long black actuator	Latching, 90° (10:30/1:30 o'clock) 	Black	3	**3SU1002-2CF10-0AA0**		1	1 unit
		Red	3	**3SU1002-2CF20-0AA0**		1	1 unit
		White	3	**3SU1002-2CF60-0AA0**		1	1 unit
 3SU1002-2AF20-0AA0							
Rotary knob	Latching, 90° (10:30/1:30 o'clock) 	Red	3	**3SU1002-2AF20-0AA0**		1	1 unit
		White ▶		**3SU1002-2AF60-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Selector switches

	Version of actuating element	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches								
	3 switch positions, can be illuminated							
 3SU1002-2BM20-0AA0	Selector, short black actuator	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right 	Black ▶ Red ▶ Yellow ▶ Green ▶ Blue ▶ White ▶		**3SU1002-2BM10-0AA0** **3SU1002-2BM20-0AA0** **3SU1002-2BM30-0AA0** **3SU1002-2BM40-0AA0** **3SU1002-2BM50-0AA0** **3SU1002-2BM60-0AA0**		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1002-2BL60-0AA0		Latching, 2x45° (10:30/12/1:30 o'clock) 	Black ▶ Red ▶ Yellow ▶ Green ▶ Blue ▶ White ▶		**3SU1002-2BL10-0AA0** **3SU1002-2BL20-0AA0** **3SU1002-2BL30-0AA0** **3SU1002-2BL40-0AA0** **3SU1002-2BL50-0AA0** **3SU1002-2BL60-0AA0**		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1002-2BP50-0AA0		Momentary contact/ latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right 	Black ▶ Red 5 Yellow ▶ Green ▶ Blue ▶ White ▶		**3SU1002-2BP10-0AA0** **3SU1002-2BP20-0AA0** **3SU1002-2BP30-0AA0** **3SU1002-2BP40-0AA0** **3SU1002-2BP50-0AA0** **3SU1002-2BP60-0AA0**		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1002-2BN30-0AA0		Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left 	Black ▶ Red ▶ Yellow ▶ Green ▶ Blue ▶ White ▶		**3SU1002-2BN10-0AA0** **3SU1002-2BN20-0AA0** **3SU1002-2BN30-0AA0** **3SU1002-2BN40-0AA0** **3SU1002-2BN50-0AA0** **3SU1002-2BN60-0AA0**		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	4 switch positions							
 3SU1000-2AS60-0AA0	Rotary knob	Latching, 4x90° (3/6/9/12 o'clock) 	White ▶		**3SU1000-2AS60-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Key-operated switches

Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches								
2 switch positions								
 3SU1000-4JC01-0AA0								
Momentary contact, 45° (10:30/ 12 o'clock), reset from center to left 	RONIS, SB30	O	2	▶	**3SU1000-4BC01-0AA0**		1	1 unit
	RONIS, 455	O	2	5	**3SU1000-4CC01-0AA0**		1	1 unit
	O.M.R. 73037, red	O	2	3	**3SU1000-4FC01-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	3	**3SU1000-4GC01-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	3	**3SU1000-4HC01-0AA0**		1	1 unit
	O.M.R. 73033, yellow	O	2	3	**3SU1000-4JC01-0AA0**		1	1 unit
	CES, SSG10	O	2	▶	**3SU1000-5BC01-0AA0**		1	1 unit
	CES, LSG1		2	3	**3SU1000-5HC01-0AA0**		1	1 unit
	BKS, S1	O	2	▶	**3SU1000-5PC01-0AA0**		1	1 unit
	IKON, 360012K1	O	2	▶	**3SU1000-5XC01-0AA0**		1	1 unit
 3SU1000-4BF11-0AA0								
Latching, 90° (10:30/ 1:30 o'clock) 	RONIS, SB30	O	2	▶	**3SU1000-4BF01-0AA0**		1	1 unit
		O+I	2	▶	**3SU1000-4BF11-0AA0**		1	1 unit
		I	2	▶	**3SU1000-4BF21-0AA0**		1	1 unit
	RONIS, 455	O	2	3	**3SU1000-4CF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1000-4CF11-0AA0**		1	1 unit
	RONIS, 421	O+I	2	5	**3SU1000-4DF11-0AA0**		1	1 unit
 3SU1000-4GF11-0AA0								
	O.M.R. 73037, red	O	2	3	**3SU1000-4FF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1000-4FF11-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	▶	**3SU1000-4GF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1000-4GF11-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	3	**3SU1000-4HF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1000-4HF11-0AA0**		1	1 unit
		I	2	5	**3SU1000-4HF21-0AA0**		1	1 unit
	O.M.R. 73033, yellow	O	2	3	**3SU1000-4JF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1000-4JF11-0AA0**		1	1 unit
 3SU1000-5BF11-0AA0								
	CES, SSG10	O	2	▶	**3SU1000-5BF01-0AA0**		1	1 unit
		O+I	2	▶	**3SU1000-5BF11-0AA0**		1	1 unit
		I	2	▶	**3SU1000-5BF21-0AA0**		1	1 unit
	CES, SSG10 with key monitoring	O	2	NEW ▶	**3SU1000-5JF01-0AA0**		1	1 unit
	CES, LSG1	O	2	▶	**3SU1000-5HF01-0AA0**		1	1 unit
		O+I	2	▶	**3SU1000-5HF11-0AA0**		1	1 unit
 3SU1000-5PF11-0AA0								
	BKS, S1	O	2	▶	**3SU1000-5PF01-0AA0**		1	1 unit
		O+I	2	▶	**3SU1000-5PF11-0AA0**		1	1 unit
		I	2	3	**3SU1000-5PF21-0AA0**		1	1 unit
	BKS, E1	O	0	3	**3SU1000-5QF01-0AA0**		1	1 unit
		O+I	0	3	**3SU1000-5QF11-0AA0**		1	1 unit
	BKS, E2	O	0	▶	**3SU1000-5RF01-0AA0**		1	1 unit
		O+I	0	3	**3SU1000-5RF11-0AA0**		1	1 unit
	BKS, E7	O	0	▶	**3SU1000-5SF01-0AA0**		1	1 unit
		O+I	0	▶	**3SU1000-5SF11-0AA0**		1	1 unit
	BKS, E9	O	0	▶	**3SU1000-5TF01-0AA0**		1	1 unit
		O+I	0	3	**3SU1000-5TF11-0AA0**		1	1 unit
	IKON, 360012K1	O	2	▶	**3SU1000-5XF01-0AA0**		1	1 unit
		O+I	2	▶	**3SU1000-5XF11-0AA0**		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Key-operated switches

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches								
3 switch positions								
Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right 	RONIS, SB30	O	2	▶	**3SU1000-4BM01-0AA0**		1	1 unit
	O.M.R. 73037, red	O	2	5	**3SU1000-4FM01-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	5	**3SU1000-4HM01-0AA0**		1	1 unit
	CES, SSG10	O	2	▶	**3SU1000-5BM01-0AA0**		1	1 unit
	BKS, S1	O	2	3	**3SU1000-5PM01-0AA0**		1	1 unit
	IKON, 360012K1	O	2	3	**3SU1000-5XM01-0AA0**		1	1 unit
Latching, 2x45° (10:30/12/1:30 o'clock) 	RONIS, SB30	O	2	3	**3SU1000-4BL01-0AA0**		1	1 unit
		I+O+II	2	▶	**3SU1000-4BL11-0AA0**		1	1 unit
		I	2	5	**3SU1000-4BL21-0AA0**		1	1 unit
		II	2	3	**3SU1000-4BL31-0AA0**		1	1 unit
		I+II	2	3	**3SU1000-4BL41-0AA0**		1	1 unit
		O+I	2	3	**3SU1000-4BL51-0AA0**		1	1 unit
	RONIS, 455	O	2	5	**3SU1000-4CL01-0AA0**		1	1 unit
		I+O+II	2	3	**3SU1000-4CL11-0AA0**		1	1 unit
	O.M.R. 73037, red	O	2	5	**3SU1000-4FL01-0AA0**		1	1 unit
		O+I	2	5	**3SU1000-4FL51-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	3	**3SU1000-4GL01-0AA0**		1	1 unit
		I+O+II	2	3	**3SU1000-4GL11-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	5	**3SU1000-4HL01-0AA0**		1	1 unit
		I+O+II	2	3	**3SU1000-4HL11-0AA0**		1	1 unit
	O.M.R. 73033, yellow	I+O+II	2	5	**3SU1000-4JL11-0AA0**		1	1 unit
	CES, SSG10	O	2	▶	**3SU1000-5BL01-0AA0**		1	1 unit
		I+O+II	2	▶	**3SU1000-5BL11-0AA0**		1	1 unit
		I	2	3	**3SU1000-5BL21-0AA0**		1	1 unit
		II	2	▶	**3SU1000-5BL31-0AA0**		1	1 unit
		I+II	2	3	**3SU1000-5BL41-0AA0**		1	1 unit
		O+I	2	3	**3SU1000-5BL51-0AA0**		1	1 unit
	CES, SSG10 with key monitoring	O	2	NEW 3	**3SU1000-5JL01-0AA0**		1	1 unit
	BKS, S1	O	2	3	**3SU1000-5PL01-0AA0**		1	1 unit
		I+O+II	2	3	**3SU1000-5PL11-0AA0**		1	1 unit
		I	2	3	**3SU1000-5PL21-0AA0**		1	1 unit
		II	2	3	**3SU1000-5PL31-0AA0**		1	1 unit
		I+II	2	3	**3SU1000-5PL41-0AA0**		1	1 unit
	BKS, E2	I+O+II	0	5	**3SU1000-5RL11-0AA0**		1	1 unit
	BKS, E9	I+O+II	0	3	**3SU1000-5TL11-0AA0**		1	1 unit
	IKON, 360012K1	O	2	3	**3SU1000-5XL01-0AA0**		1	1 unit
		I+O+II	2	3	**3SU1000-5XL11-0AA0**		1	1 unit


3SU1000-4BM01-0AA0


3SU1000-4FL01-0AA0


3SU1000-5BL01-0AA0


3SU1000-5JL01-0AA0

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Key-operated switches / ID key-operated switches

Key-operated switches

	Operating principle	Make of lock	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	3 switch positions								
 3SU1000-4BP01-0AA0	Momentary contact/ latching, 2x45° (10:30/12/ 1:30 o'clock), reset from left, latching to the right 	RONIS, SB30	O	2	3	**3SU1000-4BP01-0AA0**		1	1 unit
			II	2	3	**3SU1000-4BP31-0AA0**		1	1 unit
			O+II	2	3	**3SU1000-4BP61-0AA0**		1	1 unit
 3SU1000-5BP01-0AA0		CES, SSG10	O	2	3	**3SU1000-5BP01-0AA0**		1	1 unit
			II	2	5	**3SU1000-5BP31-0AA0**		1	1 unit
			O+II	2	3	**3SU1000-5BP61-0AA0**		1	1 unit
		BKS, S1	O	2	3	**3SU1000-5PP01-0AA0**		1	1 unit
 3SU1000-4GN01-0AA0	Latching/ momentary contact, 2x45° (10:30/12/ 1:30 o'clock), reset from right, latching to the left 	RONIS, SB30	O	2	3	**3SU1000-4BN01-0AA0**		1	1 unit
			I	2	3	**3SU1000-4BN21-0AA0**		1	1 unit
			O+I	2	3	**3SU1000-4BN51-0AA0**		1	1 unit
		O.M.R. 73038, light blue	O	2	5	**3SU1000-4GN01-0AA0**		1	1 unit
		O.M.R. 73034, black	I	2	5	**3SU1000-4HN21-0AA0**		1	1 unit
		CES, SSG10	O	2	3	**3SU1000-5BN01-0AA0**		1	1 unit
			I	2	3	**3SU1000-5BN21-0AA0**		1	1 unit
			O+I	2	3	**3SU1000-5BN51-0AA0**		1	1 unit
		BKS, S1	I	2	5	**3SU1000-5PN21-0AA0**		1	1 unit
			O+I	2	3	**3SU1000-5PN51-0AA0**		1	1 unit
		IKON, 360012K1	O+I	2	5	**3SU1000-5XN51-0AA0**		1	1 unit

Selection and ordering data

ID key-operated switches

	Operating angle	Operating principle	Switch position for key removal	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	4 switch positions								
 3SU1000-4WS10-0AA0	45°	Latching	Key removal possible in all 4 positions	Black	►	**3SU1000-4WS10-0AA0**		1	1 unit

For ID keys, see page 10/161.

For electronic modules for ID key-operated switches, see page 10/120.

For plastic holders for ID key-operated switches, see page 10/110.

Note:

ID Key Switches requires the use of a plastic holder only!
Purchase **3SU1500-0AA10-0AA0** Holder Separately.

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Indicator lights

Selection and ordering data

	Product function Locking in zero position	Number of switching positions	Operating principle	Direction of actuation	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Coordinate switches									
 3SU1000-7AA10-0AA0	No	2	Momentary contact	Horizontal	▶	**3SU1000-7AC10-0AA0**		1	1 unit
				Vertical	▶	**3SU1000-7AD10-0AA0**		1	1 unit
			Latching	Horizontal	▶	**3SU1000-7AA10-0AA0**		1	1 unit
				Vertical	▶	**3SU1000-7AB10-0AA0**		1	1 unit
		4	Momentary contact	Horizontal/ Vertical	▶	**3SU1000-7AF10-0AA0**		1	1 unit
			Latching	Horizontal/ Vertical	▶	**3SU1000-7AE10-0AA0**		1	1 unit
 3SU1000-7BA10-0AA0	Yes	2	Momentary contact	Horizontal	▶	**3SU1000-7BC10-0AA0**		1	1 unit
				Vertical	▶	**3SU1000-7BD10-0AA0**		1	1 unit
			Latching	Horizontal	▶	**3SU1000-7BA10-0AA0**		1	1 unit
				Vertical	▶	**3SU1000-7BB10-0AA0**		1	1 unit
		4	Momentary contact	Horizontal/ Vertical	▶	**3SU1000-7BF10-0AA0**		1	1 unit
			Latching	Horizontal/ Vertical	▶	**3SU1000-7BE10-0AA0**		1	1 unit

Selection and ordering data

	Type of product	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Indicator lights							
 3SU1001-6AA40-0AA0	With smooth lens	Amber	3	**3SU1001-6AA00-0AA0**		1	1 unit
		Red	▶	**3SU1001-6AA20-0AA0**		1	1 unit
		Yellow	▶	**3SU1001-6AA30-0AA0**		1	1 unit
		Green	▶	**3SU1001-6AA40-0AA0**		1	1 unit
		Blue	▶	**3SU1001-6AA50-0AA0**		1	1 unit
		White	▶	**3SU1001-6AA60-0AA0**		1	1 unit
		Clear	▶	**3SU1001-6AA70-0AA0**		1	1 unit
Indicator lights in illuminated pushbutton design							
 3SU1001-0AD50-0AA0	--	Red	3	**3SU1001-0AD20-0AA0**		1	1 unit
		Yellow	3	**3SU1001-0AD30-0AA0**		1	1 unit
		Green	3	**3SU1001-0AD40-0AA0**		1	1 unit
		Blue	3	**3SU1001-0AD50-0AA0**		1	1 unit
		Clear	▶	**3SU1001-0AD70-0AA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Pushbuttons

Selection and ordering data

Supply voltage for light source at AC V	Supply voltage for light source at DC V	Color	Number of Contact modules	Number of NO contacts	Number of NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons										
		Pushbuttons with flat button, momentary contact								
--	--	Black	1	1	0	▶	**3SU1130-0AB10-1BA0**		1	1 unit
			0	0	1	3	**3SU1130-0AB10-1CA0**		1	1 unit
			1	1	1	▶	**3SU1130-0AB10-1FA0**		1	1 unit
		Red	1	1	0	5	**3SU1130-0AB20-1BA0**		1	1 unit
				0	1	▶	**3SU1130-0AB20-1CA0**		1	1 unit
				1	1	▶	**3SU1130-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1130-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1130-0AB30-1FA0**		1	1 unit
		Green	1	1	0	▶	**3SU1130-0AB40-1BA0**		1	1 unit
				1	1	▶	**3SU1130-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	3	**3SU1130-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1130-0AB50-1FA0**		1	1 unit
		White	1	1	0	3	**3SU1130-0AB60-1BA0**		1	1 unit
				1	1	5	**3SU1130-0AB60-1FA0**		1	1 unit
		Pushbuttons with raised button, momentary contact								
--	--	Red	1	0	1	5	**3SU1130-0BB20-1CA0**		1	1 unit
		Illuminated pushbuttons with flat button, momentary contact with integrated LED								
24	24	Red	1	1	0	5	**3SU1132-0AB20-1BA0**		1	1 unit
				0	1	3	**3SU1132-0AB20-1CA0**		1	1 unit
				1	1	3	**3SU1132-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	3	**3SU1132-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1132-0AB30-1FA0**		1	1 unit
		Green	1	1	0	▶	**3SU1132-0AB40-1BA0**		1	1 unit
				1	1	3	**3SU1132-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	3	**3SU1132-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1132-0AB50-1FA0**		1	1 unit
		White	1	1	0	▶	**3SU1132-0AB60-1BA0**		1	1 unit
				1	1	3	**3SU1132-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	3	**3SU1132-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1132-0AB70-1FA0**		1	1 unit
110	--	Red	1	0	1	5	**3SU1133-0AB20-1CA0**		1	1 unit
				1	1	5	**3SU1133-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1133-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1133-0AB30-1FA0**		1	1 unit
		Green	1	1	0	5	**3SU1133-0AB40-1BA0**		1	1 unit
				1	1	5	**3SU1133-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1133-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1133-0AB50-1FA0**		1	1 unit
		White	1	1	0	5	**3SU1133-0AB60-1BA0**		1	1 unit
				1	1	5	**3SU1133-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1133-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1133-0AB70-1FA0**		1	1 unit



3SU1130-0AB10-1BA0



3SU1130-0BB20-1CA0



3SU1132-0AB40-1BA0

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Actuators and Indicator

Supply voltage for light source at AC	Supply voltage for light source at DC	Color	Number of Contact modules	Number of NO contacts	Number of NC contacts	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
V	V					d				
Pushbuttons										
		Illuminated pushbuttons with flat button, momentary contact with integrated LED								
230	--	Red	1	0	1	5	**3SU1136-0AB20-1CA0**		1	1 unit
				1	1	5	**3SU1136-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1136-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1136-0AB30-1FA0**		1	1 unit
		Green	1	1	0	5	**3SU1136-0AB40-1BA0**		1	1 unit
				1	1	5	**3SU1136-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1136-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1136-0AB50-1FA0**		1	1 unit
		White	1	1	0	5	**3SU1136-0AB60-1BA0**		1	1 unit
				1	1	5	**3SU1136-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1136-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1136-0AB70-1FA0**		1	1 unit
							Spring-type terminals			



3SU1136-0AB40-1BA0

		Pushbuttons with flat button, momentary contact								
--	--	Black	1	1	0	5	**3SU1130-0AB10-3BA0**		1	1 unit
				1	1	5	**3SU1130-0AB10-3FA0**		1	1 unit
		Red	1	0	1	5	**3SU1130-0AB20-3CA0**		1	1 unit
		Green	1	1	0	5	**3SU1130-0AB40-3BA0**		1	1 unit
		White	1	1	1	5	**3SU1130-0AB60-3FA0**		1	1 unit



3SU1130-0AB10-3BA0

		Illuminated pushbuttons with flat button, momentary contact								
24	24	Red	1	0	1	5	**3SU1132-0AB20-3CA0**		1	1 unit
				1	1	5	**3SU1132-0AB20-3FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1132-0AB30-3BA0**		1	1 unit
				1	1	5	**3SU1132-0AB30-3FA0**		1	1 unit
		Green	1	1	0	5	**3SU1132-0AB40-3BA0**		1	1 unit
				1	1	5	**3SU1132-0AB40-3FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1132-0AB50-3BA0**		1	1 unit
				1	1	5	**3SU1132-0AB50-3FA0**		1	1 unit
		White	1	1	0	5	**3SU1132-0AB60-3BA0**		1	1 unit
				1	1	5	**3SU1132-0AB60-3FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1132-0AB70-3BA0**		1	1 unit
				1	1	5	**3SU1132-0AB70-3FA0**		1	1 unit



3SU1132-0AB30-3BA0

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Selection and ordering data

Unlatching method	Number of Contact modules	NO contacts	NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Mushroom pushbuttons								
With red mushroom, diameter 40 mm, latching								
Pull to unlatch	1	0	1	5	**3SU1130-1BA20-1CA0**		1	1 unit
		1	1	5	**3SU1130-1BA20-1FA0**		1	1 unit



3SU1130-1BA20-1CA0

Selection and ordering data

Unlatching method	Number of Contact modules	NO contacts	NC contacts	Marking	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5									
With red mushroom, diameter 40 mm, with positive latching									
Pull to unlatch	1	0	1	NOT-HALT ⊖	5	**3SU1100-1HA20-1CH0**		1	1 unit
		1	1	EMERGENCY STOP ⊖	5	**3SU1100-1HA20-1FG0**		1	1 unit
		1	1	NOT-HALT ⊖	5	**3SU1100-1HA20-1FH0**		1	1 unit
Rotate to unlatch	1	0	1	None ⊖	5	**3SU1100-1HB20-1CF0**		1	1 unit
		0	1	EMERGENCY STOP ⊖	5	**3SU1100-1HB20-1CG0**		1	1 unit
		0	1	NOT-HALT ⊖ ▶		**3SU1100-1HB20-1CH0**		1	1 unit
		0	2	EMERGENCY STOP ⊖	5	**3SU1100-1HB20-1PG0**		1	1 unit
		0	2	Less backing plate ⊖	5	**3SU1100-1HB20-1PA0**		1	1 unit
		1	1	EMERGENCY STOP ⊖	5	**3SU1100-1HB20-1FG0**		1	1 unit
		1	1	NOT-HALT ⊖ ▶		**3SU1100-1HB20-1FH0**		1	1 unit
						Spring-type terminals			
Rotate to unlatch	1	0	1	NOT-HALT ⊖	5	**3SU1100-1HB20-3CH0**		1	1 unit
		1	1	NOT-HALT ⊖	5	**3SU1100-1HB20-3FH0**		1	1 unit
With red mushroom, diameter 40 mm, with latching NEW									
						Screw terminals			
Rotate to unlatch	2	0	2	NOT-HALT	5	**3SU1100-1LB20-1PH0**		1	1 unit



3SU1100-1HA20-1CH0



3SU1100-1HB20-1CH0



3SU1100-1LB20-1PH0

⊖ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.
Certificate:

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Coordinate switches, complete

Selection and ordering data

Operating principle	Color	Number of Contact modules	NO contacts	NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches									
 3SU1130-2BF60-1BA0									
Short black actuator, 2 switch positions, can be illuminated									
Latching, 90° 	White	1	1	0	▶	**3SU1130-2BF60-1BA0**		1	1 unit
			1	1	▶	**3SU1130-2BF60-1MA0**		1	1 unit
Short black actuator, 3 switch positions, can be illuminated									
Momentary contact, 2x45° 	White	2	2	2	5	**3SU1130-2BM60-1LA0**		1	1 unit
			2	0	3	**3SU1130-2BM60-1NA0**		1	1 unit
Latching, 2x45° 	White	2	2	2	3	**3SU1130-2BL60-1LA0**		1	1 unit
			2	0	▶	**3SU1130-2BL60-1NA0**		1	1 unit
 3SU1130-2BL60-1NA0									
						Spring-type terminals			
Short black actuator, 2 switch positions, can be illuminated									
Latching, 90° 	White	1	1	0	5	**3SU1130-2BF60-3BA0**		1	1 unit
			1	1	5	**3SU1130-2BF60-3MA0**		1	1 unit
Short black actuator, 3 switch positions, can be illuminated									
Momentary contact, 2x45° 	White	2	2	0	5	**3SU1130-2BM60-3NA0**		1	1 unit
Latching, 2x45° 	White	2	2	2	5	**3SU1130-2BL60-3LA0**		1	1 unit
			2	0	5	**3SU1130-2BL60-3NA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Coordinate switches, complete

Selection and ordering data

Operating principle	Switch position for key removal	Number of Contact modules	NO contacts	NC contacts	Number of keys	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches										
With RONIS lock, SB30, 2 switch positions										
Latching, 90° (10:30/ 1:30 o'clock)	O+I	1	1	0	2	3	**3SU1130-4BF11-1BA0**		1	1 unit
			1	1	2	3	**3SU1130-4BF11-1FA0**		1	1 unit
With RONIS lock, SB30, 3 switch positions										
Latching, 2x45° (10:30/12/ 1:30 o'clock)	I+O+II	2	2	0	2	5	**3SU1130-4BL11-1NA0**		1	1 unit
							Spring-type terminals			
With RONIS lock, SB30, 2 switch positions										
Latching, 90° (10:30/ 1:30 o'clock)	O+I	1	1	0	2	5	**3SU1130-4BF11-3BA0**		1	1 unit

3SU1130-4BF11-1BA0



3SU1130-4BL11-1NA0

Selection and ordering data

Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Coordinate switches							
Without mechanical interlock, 2 switch positions							
2	Momentary contact	Horizontal	5	**3SU1130-7AC10-1NA0**		1	1 unit
		Vertical	5	**3SU1130-7AD10-1NA0**		1	1 unit
	Latching	Horizontal	5	**3SU1130-7AA10-1NA0**		1	1 unit
		Vertical	5	**3SU1130-7AB10-1NA0**		1	1 unit
Without mechanical interlock, 4 switch positions							
4	Momentary contact	Horizontal/Vertical	5	**3SU1130-7AF10-1QA0**		1	1 unit
	Latching	Horizontal/Vertical	5	**3SU1130-7AE10-1QA0**		1	1 unit
With mechanical interlock, 2 switch positions							
2	Momentary contact	Horizontal	5	**3SU1130-7BC10-1NA0**		1	1 unit
		Vertical	5	**3SU1130-7BD10-1NA0**		1	1 unit
	Latching	Horizontal	5	**3SU1130-7BA10-1NA0**		1	1 unit
		Vertical	5	**3SU1130-7BB10-1NA0**		1	1 unit
With mechanical interlock, 4 switch positions							
4	Momentary contact	Horizontal/Vertical	5	**3SU1130-7BF10-1QA0**		1	1 unit
	Latching	Horizontal/Vertical	5	**3SU1130-7BE10-1QA0**		1	1 unit

3SU1130-7AE10-1QA0



3SU1130-7BE10-1QA0



3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Indicator Lights – Complete Units

Selection and ordering data

Operational voltage at AC, rated value	Operational voltage at DC, rated value	Color of actuating element	Color of light source	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
V	V			d				
Indicator lights								
With smooth lens and integrated LED								
24	24	Red	Red	▶	**3SU1102-6AA20-1AA0**		1	1 unit
		Yellow	Yellow	▶	**3SU1102-6AA30-1AA0**		1	1 unit
		Green	Green	▶	**3SU1102-6AA40-1AA0**		1	1 unit
		Blue	Blue	▶	**3SU1102-6AA50-1AA0**		1	1 unit
		White	White	▶	**3SU1102-6AA60-1AA0**		1	1 unit
		Clear	White	▶	**3SU1102-6AA70-1AA0**		1	1 unit
110	--	Amber	Amber	5	**3SU1103-6AA00-1AA0**		1	1 unit
		Red	Red	▶	**3SU1103-6AA20-1AA0**		1	1 unit
		Yellow	Yellow	▶	**3SU1103-6AA30-1AA0**		1	1 unit
		Green	Green	▶	**3SU1103-6AA40-1AA0**		1	1 unit
		Blue	Blue	3	**3SU1103-6AA50-1AA0**		1	1 unit
		White	White	▶	**3SU1103-6AA60-1AA0**		1	1 unit
		Clear	White	3	**3SU1103-6AA70-1AA0**		1	1 unit
230	--	Amber	Amber	5	**3SU1106-6AA00-1AA0**		1	1 unit
		Red	Red	▶	**3SU1106-6AA20-1AA0**		1	1 unit
		Yellow	Yellow	▶	**3SU1106-6AA30-1AA0**		1	1 unit
		Green	Green	▶	**3SU1106-6AA40-1AA0**		1	1 unit
		Blue	Blue	3	**3SU1106-6AA50-1AA0**		1	1 unit
		White	White	▶	**3SU1106-6AA60-1AA0**		1	1 unit
		Clear	White	3	**3SU1106-6AA70-1AA0**		1	1 unit
					Spring-type terminals			
24	24	Red	Red	3	**3SU1102-6AA20-3AA0**		1	1 unit
		Yellow	Yellow	5	**3SU1102-6AA30-3AA0**		1	1 unit
		Green	Green	3	**3SU1102-6AA40-3AA0**		1	1 unit
		Blue	Blue	5	**3SU1102-6AA50-3AA0**		1	1 unit
		White	White	3	**3SU1102-6AA60-3AA0**		1	1 unit
		Clear	White	5	**3SU1102-6AA70-3AA0**		1	1 unit
110	--	Red	Red	5	**3SU1103-6AA20-3AA0**		1	1 unit
		Yellow	Yellow	5	**3SU1103-6AA30-3AA0**		1	1 unit
		Green	Green	5	**3SU1103-6AA40-3AA0**		1	1 unit
		Blue	Blue	5	**3SU1103-6AA50-3AA0**		1	1 unit
		White	White	5	**3SU1103-6AA60-3AA0**		1	1 unit
		Clear	White	5	**3SU1103-6AA70-3AA0**		1	1 unit
230	--	Red	Red	5	**3SU1106-6AA20-3AA0**		1	1 unit
		Yellow	Yellow	5	**3SU1106-6AA30-3AA0**		1	1 unit



3SU1102-6AA30-1AA0



3SU1106-6AA50-1AA0



3SU1102-6AA40-3AA0

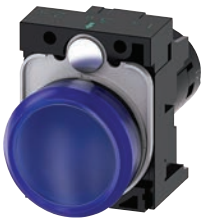
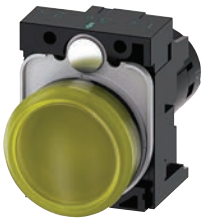


3SU1106-6AA60-3AA0

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Compact Units

Indicator lights

Selection and ordering data

	Operational voltage at AC, rated value	Operational voltage at DC, rated value	Color of actuating element	Color of light source	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V	V			d				
Indicator lights NEW									
 3SU1201-6AB50-1AA0	24	24	Amber	Amber	3	**3SU1201-6AB00-1AA0**		1	1 unit
			Red	Red	▶	**3SU1201-6AB20-1AA0**		1	1 unit
			Yellow	Yellow	▶	**3SU1201-6AB30-1AA0**		1	1 unit
			Green	Green	▶	**3SU1201-6AB40-1AA0**		1	1 unit
			Blue	Blue	3	**3SU1201-6AB50-1AA0**		1	1 unit
			White	White	▶	**3SU1201-6AB60-1AA0**		1	1 unit
			Clear	Clear	▶	**3SU1201-6AB70-1AA0**		1	1 unit
 3SU1201-6AC30-1AA0	110	110	Amber	Amber	5	**3SU1201-6AC00-1AA0**		1	1 unit
			Red	Red	3	**3SU1201-6AC20-1AA0**		1	1 unit
			Yellow	Yellow	3	**3SU1201-6AC30-1AA0**		1	1 unit
			Green	Green	3	**3SU1201-6AC40-1AA0**		1	1 unit
			Blue	Blue	5	**3SU1201-6AC50-1AA0**		1	1 unit
			White	White	3	**3SU1201-6AC60-1AA0**		1	1 unit
			Clear	Clear	5	**3SU1201-6AC70-1AA0**		1	1 unit
 3SU1201-6AF30-1AA0	230	230	Amber	Amber	5	**3SU1201-6AF00-1AA0**		1	1 unit
			Red	Red	3	**3SU1201-6AF20-1AA0**		1	1 unit
			Yellow	Yellow	3	**3SU1201-6AF30-1AA0**		1	1 unit
			Green	Green	3	**3SU1201-6AF40-1AA0**		1	1 unit
			Blue	Blue	5	**3SU1201-6AF50-1AA0**		1	1 unit
			White	White	3	**3SU1201-6AF60-1AA0**		1	1 unit
			Clear	Clear	5	**3SU1201-6AF70-1AA0**		1	1 unit
Indicator lights with "traffic light" LED									
 3SU1201-6AG24-1AA0	6 ... 24	6 ... 24	Clear	Red/Yellow/Green	▶	**3SU1201-6AG24-1AA0**		1	1 unit
	110	--	Clear	Red/Yellow/Green	▶	**3SU1201-6AC24-1AA0**		1	1 unit
	230	--	Clear	Red/Yellow/Green	▶	**3SU1201-6AF24-1AA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Compact Units

Sensor switches / potentiometers

Selection and ordering data

	Operational voltage at AC, rated value	Operational voltage at DC, rated value	Volume level	SD	Screw terminals		PU (UNIT, SET, M)	PS*
	V	V	dB	d	Article No.	Price per PU		
Acoustic signaling devices								
 3SU1200-6KB10-1AA0	24	24	90	5	**3SU1200-6KB10-1AA0**		1	1 unit
	110	--	90	5	**3SU1200-6KC10-1AA0**		1	1 unit
	230	--	90	5	**3SU1200-6KF10-1AA0**		1	1 unit

Selection and ordering data

	Operating principle	Number of NO contacts	Number of NC contacts	Color	SD	M12 connector, 4-pin		PU (UNIT, SET, M)	PS*
					d	Article No.	Price per PU		
Sensor switches									
 3SU1200-1SK10-2SA0	Whether integrated in the two-hand operation console or installed as a door opening contact, the capacitive sensor switch is suitable for many different applications in industrial environments. The switch is actuated by simple contact with the hand or other part of the body (i.e. without the application of pressure). As a result, these switches are rugged, extremely durable and have the highest possible degree of protection IP66, IP67, IP69 (IP69K).								
	Without pressure	1	0	Black	►	**3SU1200-1SK10-2SA0**		1	1 unit

Optional accessories

- "Protection for sensor switches", see page 10/157.
- "Connectors for sensor switches, angled socket with screw terminal connection", see page 10/165.

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Compact Units

Sensor switches / Pushbuttons with extended stroke

Selection and ordering data

Version of actuating element	Operating principle	Adjustable resistance	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		kΩ	d				
Potentiometers							
Rotary knob	Stepless	1	▶	**3SU1200-2PQ10-1AA0**		1	1 unit
		2.2	5	**3SU1200-2PW10-1AA0**		1	1 unit
		4.7	▶	**3SU1200-2PR10-1AA0**		1	1 unit
		10	▶	**3SU1200-2PS10-1AA0**		1	1 unit
		47	▶	**3SU1200-2PT10-1AA0**		1	1 unit
		100	▶	**3SU1200-2PU10-1AA0**		1	1 unit
		470	▶	**3SU1200-2PV10-1AA0**		1	1 unit



3SU1200-2PQ10-1AA0

Labeling plates for potentiometers, see page 10/153.

Selection and ordering data

Version	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		d				
Pushbuttons with extended stroke						
For actuating relays, can only be combined with extension plunger, no contact module or LED module required						
Pushbuttons with flat button	Red	5	**3SU1230-0EB20-0AA0**		1	1 unit
	Green	5	**3SU1230-0EB40-0AA0**		1	1 unit
Pushbuttons with raised button	Black	3	**3SU1230-0FB10-0AA0**		1	1 unit
Pushbuttons with flat transparent button for insertion of insert labels	Red	3	**3SU1231-0EB20-0AA0**		1	1 unit
	Clear	3	**3SU1231-0EB70-0AA0**		1	1 unit



3SU1230-0EB40-0AA0

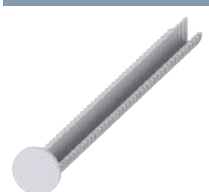


3SU1230-0FB10-0AA0



3SU1231-0EB20-0AA0

Version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			d				
Accessories							
Extension plungers For compensation of the distance between the pushbutton and the unlatching button of an overload relay	Plastic	Gray	▶	**3SU1900-0KG10-0AA0**		1	1 unit



3SU1900-0KG10-0AA0

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Pushbuttons

Selection and ordering data

Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons							
 3SU1030-0AB50-0AR0							
Pushbuttons with flat button Standard	Momentary contact	Black	▶	**3SU1030-0AB10-0AA0**		1	1 unit
		Black, "O"	▶	**3SU1030-0AB10-0AD0**		1	1 unit
		Red	▶	**3SU1030-0AB20-0AA0**		1	1 unit
		Red, "O"	▶	**3SU1030-0AB20-0AD0**		1	1 unit
		Red, "AUTO"	5	**3SU1030-0AB20-0AQ0**		1	1 unit
		Yellow	▶	**3SU1030-0AB30-0AA0**		1	1 unit
		Green	▶	**3SU1030-0AB40-0AA0**		1	1 unit
		Green, "I"	▶	**3SU1030-0AB40-0AC0**		1	1 unit
		Blue	▶	**3SU1030-0AB50-0AA0**		1	1 unit
		Blue, "R"	5	**3SU1030-0AB50-0AR0**		1	1 unit
		White	▶	**3SU1030-0AB60-0AA0**		1	1 unit
		White, "I"	▶	**3SU1030-0AB60-0AC0**		1	1 unit
		Clear	▶	**3SU1030-0AB70-0AA0**		1	1 unit
		Gray	▶	**3SU1030-0AB80-0AA0**		1	1 unit
 3SU1030-0AA40-0AA0	Latching Push to unlatch	Black	▶	**3SU1030-0AA10-0AA0**		1	1 unit
		Red	▶	**3SU1030-0AA20-0AA0**		1	1 unit
		Yellow	▶	**3SU1030-0AA30-0AA0**		1	1 unit
		Green	▶	**3SU1030-0AA40-0AA0**		1	1 unit
		Blue	▶	**3SU1030-0AA50-0AA0**		1	1 unit
		White	▶	**3SU1030-0AA60-0AA0**		1	1 unit
 3SU1030-0BB20-0AA0							
Pushbuttons with raised button Standard	Momentary contact	Black	▶	**3SU1030-0BB10-0AA0**		1	1 unit
		Red	▶	**3SU1030-0BB20-0AA0**		1	1 unit
		Yellow	▶	**3SU1030-0BB30-0AA0**		1	1 unit
		Green	▶	**3SU1030-0BB40-0AA0**		1	1 unit
		Blue	▶	**3SU1030-0BB50-0AA0**		1	1 unit
		White	▶	**3SU1030-0BB60-0AA0**		1	1 unit
 3SU1030-0CB30-0AA0							
Pushbuttons with flat button Raised	Momentary contact	Black	5	**3SU1030-0CB10-0AA0**		1	1 unit
		Red	5	**3SU1030-0CB20-0AA0**		1	1 unit
		Yellow	5	**3SU1030-0CB30-0AA0**		1	1 unit
		Green	5	**3SU1030-0CB40-0AA0**		1	1 unit
		Blue	5	**3SU1030-0CB50-0AA0**		1	1 unit
		White	5	**3SU1030-0CB60-0AA0**		1	1 unit

Selection and ordering data

Front ring	Operating principle	Colors caps/ markings	Direction of Actuation	SD d	**Screw terminals** Article No.	Price	PU (UNIT, SET, M)	PS*
Quadruple pushbuttons								
 3SU1030-3FB11-0AA0								
Metal, Matt	Momentary Action	Black, None	Up/Down/ Left/Right		**3SU1030-3FB11-0AA0**		1	1 unit
Metal, Matt	Momentary Action	Black, Arrows	Up/Down/ Left/Right		**3SU1030-3FB11-0AU0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

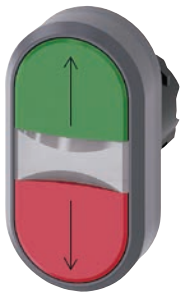
Pushbuttons

	Version of actuating element Front ring version	Operating principle Unlatching method	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons								
 3SU1031-0AB20-0AA0	**Illuminated pushbuttons with flat button** Standard	Momentary contact	Amber Red ▶ Yellow ▶ Green ▶ Blue ▶ White ▶ Clear ▶	5	**3SU1031-0AB00-0AA0** **3SU1031-0AB20-0AA0** **3SU1031-0AB30-0AA0** **3SU1031-0AB40-0AA0** **3SU1031-0AB50-0AA0** **3SU1031-0AB60-0AA0** **3SU1031-0AB70-0AA0**		1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1031-0AA50-0AA0		Latching Push to unlatch	Red ▶ Yellow ▶ Green ▶ Blue ▶ White ▶ Clear ▶		**3SU1031-0AA20-0AA0** **3SU1031-0AA30-0AA0** **3SU1031-0AA40-0AA0** **3SU1031-0AA50-0AA0** **3SU1031-0AA60-0AA0** **3SU1031-0AA70-0AA0**		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1031-0BB40-0AA0	**Illuminated pushbuttons with raised button** Standard	Momentary contact	Red ▶ Yellow ▶ Green ▶ Blue ▶ Clear	3	**3SU1031-0BB20-0AA0** **3SU1031-0BB30-0AA0** **3SU1031-0BB40-0AA0** **3SU1031-0BB50-0AA0** **3SU1031-0BB70-0AA0**		1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
 3SU1031-0CB20-0AA0	**Pushbuttons with flat button** NEW Raised	Momentary contact	Red Green	25 25	**3SU1031-0CB20-0AA0** **3SU1031-0CB40-0AA0**		1 1	100 units 100 units

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Twin pushbuttons

Selection and ordering data

	Version of actuating element	Operating principle	Color	Marking Symbol No.	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Twin pushbuttons									
 3SU1030-3AB66-0AN0	**Twin pushbuttons** flat, flat	Momentary contact	Green/Red	-- "I"/"O"	3 ▶	**3SU1030-3AB42-0AA0** **3SU1030-3AB42-0AK0**		1 1	1 unit 1 unit
			White/Black	-- "I"/"O"	3 3	**3SU1030-3AB61-0AA0** **3SU1030-3AB61-0AK0**		1 1	1 unit 1 unit
			White/White	-- Arrows, vert.	3 5	**3SU1030-3AB66-0AA0** **3SU1030-3AB66-0AN0**		1 1	1 unit 1 unit
			Black/Black	-- ⊙ ○ 5264/5265 (IEC 60417)	3 5	**3SU1030-3AB11-0AA0** **3SU1030-3AB11-0AQ0**		1 1	1 unit 1 unit
 3SU1030-3BB42-0AK0	**Twin pushbuttons** flat, raised	Momentary contact	Green/Red	-- "I"/"O"	3 3	**3SU1030-3BB42-0AA0** **3SU1030-3BB42-0AK0**		1 1	1 unit 1 unit
 3SU1031-3AB42-0AN0	**Twin pushbuttons** flat, flat, illuminated	Momentary contact	Green/Red	-- "I"/"O" Arrows, vert.	▶ ▶ 5	**3SU1031-3AB42-0AA0** **3SU1031-3AB42-0AK0** **3SU1031-3AB42-0AN0**		1 1 1	1 unit 1 unit 1 unit
			White/Black	-- "I"/"O"	▶ ▶	**3SU1031-3AB61-0AA0** **3SU1031-3AB61-0AK0**		1 1	1 unit 1 unit
			White/White	-- Arrows, vert.	3 5	**3SU1031-3AB66-0AA0** **3SU1031-3AB66-0AN0**		1 1	1 unit 1 unit
 3SU1031-3BB61-0AA0	**Twin pushbuttons** flat, raised, illuminated	Momentary contact	Green/Red	-- "I"/"O"	3 ▶	**3SU1031-3BB42-0AA0** **3SU1031-3BB42-0AK0**		1 1	1 unit 1 unit
			White/Black	-- "I"/"O"	3 3	**3SU1031-3BB61-0AA0** **3SU1031-3BB61-0AK0**		1 1	1 unit 1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Mushroom pushbuttons

Selection and ordering data

	Version of actuating element	Operating principle Unlatching method	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Mushroom pushbuttons								
 3SU1030-1AD20-0AA0	**Mushroom pushbuttons** 30 mm diameter, 2 positions	Momentary contact	Black ▶ Red ▶ Yellow ▶ Green ▶		**3SU1030-1AD10-0AA0** **3SU1030-1AD20-0AA0** **3SU1030-1AD30-0AA0** **3SU1030-1AD40-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Black ▶ Red ▶		**3SU1030-1AA10-0AA0** **3SU1030-1AA20-0AA0**		1 1	1 unit 1 unit
 3SU1030-1BD40-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions	Momentary contact	Black Red Yellow Green	3 3 3 3	**3SU1030-1BD10-0AA0** **3SU1030-1BD20-0AA0** **3SU1030-1BD30-0AA0** **3SU1030-1BD40-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Black ▶ Red ▶ Red, "O"	 5	**3SU1030-1BA10-0AA0** **3SU1030-1BA20-0AA0** **3SU1030-1BA20-0AD0**		1 1 1	1 unit 1 unit 1 unit
 3SU1031-1AD30-0AA0	**Mushroom pushbuttons** 30 mm diameter, 2 positions, illuminated	Momentary contact	Yellow Green Blue NEW White Clear	5 3 5 3 5	**3SU1031-1AD30-0AA0** **3SU1031-1AD40-0AA0** **3SU1031-1AD50-0AA0** **3SU1031-1AD60-0AA0** **3SU1031-1AD70-0AA0**		1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Red Yellow	3 5	**3SU1031-1AA20-0AA0** **3SU1031-1AA30-0AA0**		1 1	1 unit 1 unit
 3SU1031-1BD60-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions, illuminated	Momentary contact	Yellow Green White Clear	5 5 3 5	**3SU1031-1BD30-0AA0** **3SU1031-1BD40-0AA0** **3SU1031-1BD60-0AA0** **3SU1031-1BD70-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
		Latching Pull to unlatch	Red Yellow	3 3	**3SU1031-1BA20-0AA0** **3SU1031-1BA30-0AA0**		1 1	1 unit 1 unit
 3SU1000-1HB50-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions	With positive latching Rotate to unlatch	Black ▶ Blue	 3	**3SU1000-1HB10-0AA0** **3SU1000-1HB50-0AA0**		1 1	1 unit 1 unit
 3SU1000-1HG10-0AA0	**Mushroom pushbuttons** 40 mm diameter, 2 positions RONIS SB30	With positive latching Key-operated release	Black	NEW 5	**3SU1000-1HG10-0AA0**		1	1 unit
	Mushroom pushbuttons, 60 mm diameter, 2 positions RONIS SB30	With positive latching Rotate to unlatch	Black	NEW X	**3SU1000-1JB10-0AA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

EMERGENCY STOP Mushroom pushbuttons

Selection and ordering data

	Version of actuating element	Outer diameter of mushroom	Make of lock	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		mm			d				
EMERGENCY STOP mushroom pushbuttons									
	With pull-to-unlatch mechanism								
 3SU1000-1HA20-0AA0	With positive latching, 2 positions	40	--	Red	▶	**3SU1000-1HA20-0AA0**		1	1 unit
	With rotate-to-unlatch mechanism								
 3SU1000-1GB20-0AA0	With positive latching, 2 positions	33.8	--	Red	▶	**3SU1000-1GB20-0AA0**		1	1 unit
 3SU1000-1HB20-0AA0		40	--	Red	▶	**3SU1000-1HB20-0AA0**		1	1 unit
 3SU1000-1JB20-0AA0		60	--	Red	▶	**3SU1000-1JB20-0AA0**		1	1 unit
 3SU1000-1LB20-0AA0	With latching, 2 positions	40	--	Red NEW	▶	**3SU1000-1LB20-0AA0**		1	1 unit
	With rotate-to-unlatch mechanism, can be illuminated								
 3SU1001-1HB20-0AA0	With positive latching, 2 positions	33.8 40 60	-- -- --	Red Red Red	▶ ▶ ▶	**3SU1001-1GB20-0AA0** **3SU1001-1HB20-0AA0** **3SU1001-1JB20-0AA0**		1 1 1	1 unit 1 unit 1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

EMERGENCY STOP mushroom pushbuttons / toggle switches

EMERGENCY STOP mushroom pushbuttons

With key-operated release

Version of actuating element	Outer diameter of mushroom	Make of lock	Color	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	mm				d				
With positive latching, 2 positions	40	RONIS SB30	Red	2	▶	**3SU1000-1HF20-0AA0**		1	1 unit
		RONIS 455	Red	2	3	**3SU1000-1HG20-0AA0**		1	1 unit
		BKS S1	Red	2	▶	**3SU1000-1HK20-0AA0**		1	1 unit
		BKS E7	Red	0	3	**3SU1000-1HM20-0AA0**		1	1 unit
		BKS E9	Red	0	3	**3SU1000-1HN20-0AA0**		1	1 unit
		O.M.R. 73037	Red	2	▶	**3SU1000-1HQ20-0AA0**		1	1 unit
		CES SSG10	Red	2	▶	**3SU1000-1HR20-0AA0**		1	1 unit
		CES SSP9	Red	2	▶	**3SU1000-1HS20-0AA0**		1	1 unit
		CES SMS1	Red	2	3	**3SU1000-1HT20-0AA0**		1	1 unit


3SU1000-1HF20-0AA0


3SU1000-1HK20-0AA0


3SU1000-1HQ20-0AA0


3SU1000-1HR20-0AA0

Selection and ordering data

Toggle switches

Number of switching positions	Number of command points	Color of actuating element	Operating principle of the actuating element	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
				d				
2	1	Black	Latching	3	**3SU1030-3EA10-0AA0**		1	1 unit
			Momentary contact, reset from above	5	**3SU1030-3EC10-0AA0**		1	1 unit


3SU1030-3EA10-0AA0

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Selector switches

Selection and ordering data

Version of actuating element	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches							
2 switch positions, can be illuminated							
 3SU1032--2BC40-0AA0							
Selector, short black actuator	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black	3	**3SU1032-2BC10-0AA0**		1	1 unit
		Red	▶	**3SU1032-2BC20-0AA0**		1	1 unit
		Yellow	▶	**3SU1032-2BC30-0AA0**		1	1 unit
		Green	▶	**3SU1032-2BC40-0AA0**		1	1 unit
		Blue	▶	**3SU1032-2BC50-0AA0**		1	1 unit
		White	▶	**3SU1032-2BC60-0AA0**		1	1 unit
 3SU1032-2BF30-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Black	▶	**3SU1032-2BF10-0AA0**		1	1 unit
		Red	▶	**3SU1032-2BF20-0AA0**		1	1 unit
		Yellow	▶	**3SU1032-2BF30-0AA0**		1	1 unit
		Green	▶	**3SU1032-2BF40-0AA0**		1	1 unit
		Blue	▶	**3SU1032-2BF50-0AA0**		1	1 unit
		White	▶	**3SU1032-2BF60-0AA0**		1	1 unit
 3SU1032-2CF60-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Black	3	**3SU1032-2CF10-0AA0**		1	1 unit
Selector, long black actuator		Red	3	**3SU1032-2CF20-0AA0**		1	1 unit
		White	3	**3SU1032-2CF60-0AA0**		1	1 unit
 3SU1032-2AF20-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Red	3	**3SU1032-2AF20-0AA0**		1	1 unit
Rotary knob		White	▶	**3SU1032-2AF60-0AA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Selector switches

	Version of actuating element	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches								
	3 switch positions, can be illuminated							
 3SU1032-2BM60-0AA0	Selector, short black actuator	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right 	Black ▶		**3SU1032-2BM10-0AA0**		1	1 unit
			Red ▶		**3SU1032-2BM20-0AA0**		1	1 unit
			Yellow ▶		**3SU1032-2BM30-0AA0**		1	1 unit
			Green ▶		**3SU1032-2BM40-0AA0**		1	1 unit
			Blue ▶		**3SU1032-2BM50-0AA0**		1	1 unit
			White ▶		**3SU1032-2BM60-0AA0**		1	1 unit
 3SU1032-2BL20-0AA0		Latching, 2x45° (10:30/12/1:30 o'clock) 	Black ▶		**3SU1032-2BL10-0AA0**		1	1 unit
			Red ▶		**3SU1032-2BL20-0AA0**		1	1 unit
			Yellow ▶		**3SU1032-2BL30-0AA0**		1	1 unit
			Green ▶		**3SU1032-2BL40-0AA0**		1	1 unit
			Blue ▶		**3SU1032-2BL50-0AA0**		1	1 unit
			White ▶		**3SU1032-2BL60-0AA0**		1	1 unit
 3SU1032-2BP40-0AA0		Momentary contact/ latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right 	Black ▶		**3SU1032-2BP10-0AA0**		1	1 unit
			Red ▶	5	**3SU1032-2BP20-0AA0**		1	1 unit
			Yellow ▶		**3SU1032-2BP30-0AA0**		1	1 unit
			Green ▶		**3SU1032-2BP40-0AA0**		1	1 unit
			Blue ▶	5	**3SU1032-2BP50-0AA0**		1	1 unit
			White ▶		**3SU1032-2BP60-0AA0**		1	1 unit
 3SU1032-2BN30-0AA0		Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left 	Black ▶	3	**3SU1032-2BN10-0AA0**		1	1 unit
			Red ▶		**3SU1032-2BN20-0AA0**		1	1 unit
			Yellow ▶		**3SU1032-2BN30-0AA0**		1	1 unit
			Green ▶		**3SU1032-2BN40-0AA0**		1	1 unit
			Blue ▶		**3SU1032-2BN50-0AA0**		1	1 unit
			White ▶		**3SU1032-2BN60-0AA0**		1	1 unit
	4 switch positions							
 3SU1030-2AS60-0AA0	Rotary knob	Latching, 4x90° (3/6/9/12 o'clock) 	White	3	**3SU1030-2AS60-0AA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Key-operated switches

Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
				d				
Key-operated switches								
2 switch positions								
 3SU1030-4BC01-0AA0								
Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	RONIS, SB30	O	2	▶	**3SU1030-4BC01-0AA0**		1	1 unit
	RONIS, 455	O	2	5	**3SU1030-4CC01-0AA0**		1	1 unit
	O.M.R. 73037, red	O	2	3	**3SU1030-4FC01-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	5	**3SU1030-4GC01-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	5	**3SU1030-4HC01-0AA0**		1	1 unit
	O.M.R. 73033, yellow	O	2	3	**3SU1030-4JC01-0AA0**		1	1 unit
	CES, SSG10	O	2	▶	**3SU1030-5BC01-0AA0**		1	1 unit
	CES, LSG1	O	2	3	**3SU1030-5HC01-0AA0**		1	1 unit
	BKS, S1	O	2	▶	**3SU1030-5PC01-0AA0**		1	1 unit
	IKON, 360012K1	O	2	3	**3SU1030-5XC01-0AA0**		1	1 unit
 3SU1030-4BF01-0AA0								
Latching, 90° (10:30/1:30 o'clock) 	RONIS, SB30	O	2	▶	**3SU1030-4BF01-0AA0**		1	1 unit
		O+I	2	▶	**3SU1030-4BF11-0AA0**		1	1 unit
		I	2	3	**3SU1030-4BF21-0AA0**		1	1 unit
	RONIS, 455	O	2	3	**3SU1030-4CF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1030-4CF11-0AA0**		1	1 unit
 3SU1030-4FF01-0AA0								
	O.M.R. 73037, red	O	2	3	**3SU1030-4FF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1030-4FF11-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	3	**3SU1030-4GF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1030-4GF11-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	3	**3SU1030-4HF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1030-4HF11-0AA0**		1	1 unit
		I	2	5	**3SU1030-4HF21-0AA0**		1	1 unit
	O.M.R. 73033, yellow	O	2	3	**3SU1030-4JF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1030-4JF11-0AA0**		1	1 unit
 3SU1030-5BF01-0AA0								
	CES, SSG10	O	2	▶	**3SU1030-5BF01-0AA0**		1	1 unit
		O+I	2	▶	**3SU1030-5BF11-0AA0**		1	1 unit
		I	2	3	**3SU1030-5BF21-0AA0**		1	1 unit
	CES, LSG1	O	2	3	**3SU1030-5HF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1030-5HF11-0AA0**		1	1 unit
 3SU1030-5PF01-0AA0								
	BKS, S1	O	2	3	**3SU1030-5PF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1030-5PF11-0AA0**		1	1 unit
		I	2	5	**3SU1030-5PF21-0AA0**		1	1 unit
	BKS, E1	O	0	3	**3SU1030-5QF01-0AA0**		1	1 unit
		O+I	0	5	**3SU1030-5QF11-0AA0**		1	1 unit
	BKS, E2	O	0	▶	**3SU1030-5RF01-0AA0**		1	1 unit
		O+I	0	3	**3SU1030-5RF11-0AA0**		1	1 unit
	BKS, E7	O	0	▶	**3SU1030-5SF01-0AA0**		1	1 unit
		O+I	0	▶	**3SU1030-5SF11-0AA0**		1	1 unit
	BKS, E9	O	0	3	**3SU1030-5TF01-0AA0**		1	1 unit
		O+I	0	3	**3SU1030-5TF11-0AA0**		1	1 unit
	IKON, 360012K1	O	2	▶	**3SU1030-5XF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1030-5XF11-0AA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Key-operated switches

	Operating principle	Make of lock	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches									
	3 switch positions								
 3SU1030-4BM01-0AA0	Momentary contact, 2x45° (10:30/12/ 1:30 o'clock), reset from left + right 	RONIS, SB30	O	2	3	**3SU1030-4BM01-0AA0**		1	1 unit
		O.M.R. 73037, red	O	2	5	**3SU1030-4FM01-0AA0**		1	1 unit
		O.M.R. 73034, black	O	2	5	**3SU1030-4HM01-0AA0**		1	1 unit
		CES, SSG10	O	2	▶	**3SU1030-5BM01-0AA0**		1	1 unit
		BKS, S1	O	2	3	**3SU1030-5PM01-0AA0**		1	1 unit
		IKON, 360012K1	O	2	5	**3SU1030-5XM01-0AA0**		1	1 unit
	Latching, 2x45° (10:30/12/ 1:30 o'clock) 	RONIS, SB30	O	2	3	**3SU1030-4BL01-0AA0**		1	1 unit
			I+O+II	2	▶	**3SU1030-4BL11-0AA0**		1	1 unit
			I	2	5	**3SU1030-4BL21-0AA0**		1	1 unit
			II	2	3	**3SU1030-4BL31-0AA0**		1	1 unit
			I+II	2	5	**3SU1030-4BL41-0AA0**		1	1 unit
			O+I	2	3	**3SU1030-4BL51-0AA0**		1	1 unit
		RONIS, 455	O	2	5	**3SU1030-4CL01-0AA0**		1	1 unit
			I+O+II	2	5	**3SU1030-4CL11-0AA0**		1	1 unit
		O.M.R. 73037, red	O	2	5	**3SU1030-4FL01-0AA0**		1	1 unit
			O+I	2	5	**3SU1030-4FL51-0AA0**		1	1 unit
		O.M.R. 73038, light blue	O	2	5	**3SU1030-4GL01-0AA0**		1	1 unit
			I+O+II	2	3	**3SU1030-4GL11-0AA0**		1	1 unit
		O.M.R. 73034, black	O	2	5	**3SU1030-4HL01-0AA0**		1	1 unit
			I+O+II	2	3	**3SU1030-4HL11-0AA0**		1	1 unit
 3SU1030-4JL11-0AA0		O.M.R. 73033, yellow	I+O+II	2	5	**3SU1030-4JL11-0AA0**		1	1 unit
		CES, SSG10	O	2	3	**3SU1030-5BL01-0AA0**		1	1 unit
			I+O+II	2	▶	**3SU1030-5BL11-0AA0**		1	1 unit
			I	2	3	**3SU1030-5BL21-0AA0**		1	1 unit
			II	2	3	**3SU1030-5BL31-0AA0**		1	1 unit
			I+II	2	3	**3SU1030-5BL41-0AA0**		1	1 unit
 3SU1030-5BL41-0AA0			O+I	2	5	**3SU1030-5BL51-0AA0**		1	1 unit
		BKS, S1	O	2	5	**3SU1030-5PL01-0AA0**		1	1 unit
			I+O+II	2	3	**3SU1030-5PL11-0AA0**		1	1 unit
			I	2	3	**3SU1030-5PL21-0AA0**		1	1 unit
			II	2	5	**3SU1030-5PL31-0AA0**		1	1 unit
			I+II	2	5	**3SU1030-5PL41-0AA0**		1	1 unit
		BKS, E2	I+O+II	0	5	**3SU1030-5RL11-0AA0**		1	1 unit
		BKS, E9	I+O+II	0	5	**3SU1030-5TL11-0AA0**		1	1 unit
 3SU1030-5PL01-0AA0		IKON, 360012K1	O	2	5	**3SU1030-5XL01-0AA0**		1	1 unit
			I+O+II	2	5	**3SU1030-5XL11-0AA0**		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Key-operated switches /

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches								
3 switch positions								
 3SU1030-4BP01-0AA0								
Momentary contact/ latching, 2x45° (10:30/12/ 1:30 o'clock), reset from left, latching to the right 	RONIS, SB30	O	2	5	**3SU1030-4BP01-0AA0**		1	1 unit
		II	2	5	**3SU1030-4BP31-0AA0**		1	1 unit
		O+II	2	5	**3SU1030-4BP61-0AA0**		1	1 unit
	CES, SSG10	O	2	3	**3SU1030-5BP01-0AA0**		1	1 unit
		II	2	5	**3SU1030-5BP31-0AA0**		1	1 unit
		O+II	2	3	**3SU1030-5BP61-0AA0**		1	1 unit
	BKS, S1	O	2	3	**3SU1030-5PP01-0AA0**		1	1 unit
Latching/momentary contact, 2x45° (10:30/12/ 1:30 o'clock), reset from right, latching to the left 	RONIS, SB30	O	2	5	**3SU1030-4BN01-0AA0**		1	1 unit
		I	2	5	**3SU1030-4BN21-0AA0**		1	1 unit
		O+I	2	5	**3SU1030-4BN51-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	5	**3SU1030-4GN01-0AA0**		1	1 unit
	O.M.R. 73034, black	I	2	5	**3SU1030-4HN21-0AA0**		1	1 unit
 3SU1030-5BN01-0AA0								
	CES, SSG10	O	2	3	**3SU1030-5BN01-0AA0**		1	1 unit
		I	2	3	**3SU1030-5BN21-0AA0**		1	1 unit
		O+I	2	3	**3SU1030-5BN51-0AA0**		1	1 unit
	BKS, S1	I	2	5	**3SU1030-5PN21-0AA0**		1	1 unit
		O+I	2	5	**3SU1030-5PN51-0AA0**		1	1 unit
	IKON, 360012K1	O+I	2	5	**3SU1030-5XN51-0AA0**		1	1 unit

Selection and ordering data

Operating angle	Operating principle	Switch position for key removal	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
ID key-operated switches								
4 switch positions								
 3SU1030-4WS10-0AA0								
45°	Latching	Key removal possible in all 4 positions	Black	▶	**3SU1030-4WS10-0AA0**		1	1 unit

For ID keys, see page 10/161.

For electronic modules for ID key-operated switches, see page 10/120.

For plastic holders for ID key-operated switches, see page 10/110.

Note:

ID Key Switches requires the use of a plastic holder only!
Purchase **3SU1500-0AA10-0AA0** Holder Separately.

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Indicator lights

Selection and ordering data

Product function Locking in zero position	Number of switching positions	Operating principle	Direction of actuation	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Coordinate switches								
 3SU1030-7AA10-0AA0								
No	2	Momentary contact	Horizontal	▶	**3SU1030-7AC10-0AA0**		1	1 unit
			Vertical	▶	**3SU1030-7AD10-0AA0**		1	1 unit
		Latching	Horizontal	▶	**3SU1030-7AA10-0AA0**		1	1 unit
			Vertical	▶	**3SU1030-7AB10-0AA0**		1	1 unit
	4	Momentary contact	Horizontal/ Vertical	▶	**3SU1030-7AF10-0AA0**		1	1 unit
		Latching	Horizontal/ Vertical	▶	**3SU1030-7AE10-0AA0**		1	1 unit
 3SU1030-7BA10-0AA0								
Yes	2	Momentary contact	Horizontal	▶	**3SU1030-7BC10-0AA0**		1	1 unit
			Vertical	▶	**3SU1030-7BD10-0AA0**		1	1 unit
		Latching	Horizontal	▶	**3SU1030-7BA10-0AA0**		1	1 unit
			Vertical	▶	**3SU1030-7BB10-0AA0**		1	1 unit
	4	Momentary contact	Horizontal/ Vertical	▶	**3SU1030-7BF10-0AA0**		1	1 unit
		Latching	Horizontal/ Vertical	▶	**3SU1030-7BE10-0AA0**		1	1 unit

Selection and ordering data

Type of product	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Indicator lights						
 3SU1001-6AA20-0AA0						
With smooth lens	Amber	3	**3SU1001-6AA00-0AA0**		1	1 unit
	Red	▶	**3SU1001-6AA20-0AA0**		1	1 unit
	Yellow	▶	**3SU1001-6AA30-0AA0**		1	1 unit
	Green	▶	**3SU1001-6AA40-0AA0**		1	1 unit
	Blue	▶	**3SU1001-6AA50-0AA0**		1	1 unit
	White	▶	**3SU1001-6AA60-0AA0**		1	1 unit
	Clear	▶	**3SU1001-6AA70-0AA0**		1	1 unit
Indicator lights in illuminated pushbutton design						
 3SU1031-0AD50-0AA0						
--	Red	3	**3SU1031-0AD20-0AA0**		1	1 unit
	Yellow	5	**3SU1031-0AD30-0AA0**		1	1 unit
	Green	3	**3SU1031-0AD40-0AA0**		1	1 unit
	Blue	5	**3SU1031-0AD50-0AA0**		1	1 unit
	Clear	3	**3SU1031-0AD70-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Complete Units

Pushbuttons

Selection and ordering data

Supply voltage for light source at AC V	Supply voltage for light source at DC V	Color	Number of Contact modules	Number of NO contacts	Number of NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons										
Pushbuttons with flat button, momentary contact										
--	--	Black	1	1	0	▶	**3SU1150-0AB10-1BA0**		1	1 unit
				0	1	3	**3SU1150-0AB10-1CA0**		1	1 unit
				1	1	▶	**3SU1150-0AB10-1FA0**		1	1 unit
		Red	1	1	0	5	**3SU1150-0AB20-1BA0**		1	1 unit
				0	1	▶	**3SU1150-0AB20-1CA0**		1	1 unit
				1	1	▶	**3SU1150-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	3	**3SU1150-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1150-0AB30-1FA0**		1	1 unit
		Green	1	1	0	▶	**3SU1150-0AB40-1BA0**		1	1 unit
				1	1	▶	**3SU1150-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	3	**3SU1150-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1150-0AB50-1FA0**		1	1 unit
		White	1	1	0	3	**3SU1150-0AB60-1BA0**		1	1 unit
				1	1	3	**3SU1150-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1150-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1150-0AB70-1FA0**		1	1 unit
Pushbuttons with raised button, momentary contact										
--	--	Black	1	1	0	5	**3SU1150-0BB10-1BA0**		1	1 unit
				0	1	5	**3SU1150-0BB10-1CA0**		1	1 unit
				1	1	5	**3SU1150-0BB10-1FA0**		1	1 unit
		Red	1	0	1	3	**3SU1150-0BB20-1CA0**		1	1 unit
				1	1	5	**3SU1150-0BB20-1FA0**		1	1 unit
		Green	1	1	1	5	**3SU1150-0BB40-1FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1150-0BB50-1BA0**		1	1 unit
				1	1	5	**3SU1150-0BB50-1FA0**		1	1 unit
Illuminated pushbuttons with flat button, momentary contact, with integrated LED										
24	24	Amber	1	1	0	5	**3SU1152-0AB00-1BA0**		1	1 unit
				1	1	5	**3SU1152-0AB00-1FA0**		1	1 unit
		Red	1	0	1	▶	**3SU1152-0AB20-1CA0**		1	1 unit
				1	1	▶	**3SU1152-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	▶	**3SU1152-0AB30-1BA0**		1	1 unit
				1	1	3	**3SU1152-0AB30-1FA0**		1	1 unit
		Green	1	1	0	▶	**3SU1152-0AB40-1BA0**		1	1 unit
				1	1	▶	**3SU1152-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	▶	**3SU1152-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1152-0AB50-1FA0**		1	1 unit
		White	1	1	0	▶	**3SU1152-0AB60-1BA0**		1	1 unit
				1	1	▶	**3SU1152-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	▶	**3SU1152-0AB70-1BA0**		1	1 unit
				1	1	▶	**3SU1152-0AB70-1FA0**		1	1 unit
110	--	Amber	1	1	0	5	**3SU1153-0AB00-1BA0**		1	1 unit
				1	1	5	**3SU1153-0AB00-1FA0**		1	1 unit
		Red	1	0	1	5	**3SU1153-0AB20-1CA0**		1	1 unit
				1	1	5	**3SU1153-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1153-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1153-0AB30-1FA0**		1	1 unit
		Green	1	1	0	3	**3SU1153-0AB40-1BA0**		1	1 unit
				1	1	5	**3SU1153-0AB40-1FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1153-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1153-0AB50-1FA0**		1	1 unit
		White	1	1	0	5	**3SU1153-0AB60-1BA0**		1	1 unit
				1	1	5	**3SU1153-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1153-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1153-0AB70-1FA0**		1	1 unit
230	--	Amber	1	1	0	5	**3SU1156-0AB00-1BA0**		1	1 unit
				1	1	5	**3SU1156-0AB00-1FA0**		1	1 unit
		Red	1	0	1	5	**3SU1156-0AB20-1CA0**		1	1 unit
				1	1	5	**3SU1156-0AB20-1FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1156-0AB30-1BA0**		1	1 unit
				1	1	5	**3SU1156-0AB30-1FA0**		1	1 unit
		Green	1	1	0	3	**3SU1156-0AB40-1BA0**		1	1 unit
				1	1	5	**3SU1156-0AB40-1FA0**		1	1 unit



3SU1150-0AB30-1BA0



3SU1150-0BB20-1CA0



3SU1152-0AB50-1BA0



3SU1153-0AB60-1BA0

3SU1 22 mm, Metal, Shiny — Complete Units

Pushbuttons

Supply voltage for light source at AC V	Supply voltage for light source at DC V	Color	Number of Contact modules	NO contacts	NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons										
230	--	Blue	1	1	0	5	**3SU1156-0AB50-1BA0**		1	1 unit
				1	1	5	**3SU1156-0AB50-1FA0**		1	1 unit
		White	1	1	0	5	**3SU1156-0AB60-1BA0**		1	1 unit
				1	1	5	**3SU1156-0AB60-1FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1156-0AB70-1BA0**		1	1 unit
				1	1	5	**3SU1156-0AB70-1FA0**		1	1 unit
							Spring-type terminals			
Pushbuttons with flat button, momentary contact										
--	--	Black	1	1	0	▶	**3SU1150-0AB10-3BA0**		1	1 unit
				0	1	5	**3SU1150-0AB10-3CA0**		1	1 unit
				1	1	5	**3SU1150-0AB10-3FA0**		1	1 unit
		Red	1	1	0	5	**3SU1150-0AB20-3CA0**		1	1 unit
				0	1	5	**3SU1150-0AB20-3FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1150-0AB30-3BA0**		1	1 unit
				1	1	5	**3SU1150-0AB30-3FA0**		1	1 unit
		Green	1	1	0	5	**3SU1150-0AB40-3BA0**		1	1 unit
				1	1	5	**3SU1150-0AB40-3FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1150-0AB50-3BA0**		1	1 unit
				1	1	5	**3SU1150-0AB50-3FA0**		1	1 unit
		White	1	1	0	5	**3SU1150-0AB60-3BA0**		1	1 unit
				1	1	5	**3SU1150-0AB60-3FA0**		1	1 unit
Pushbuttons with raised button, momentary contact										
--	--	Red	1	0	1	5	**3SU1150-0BB20-3CA0**		1	1 unit
Illuminated pushbuttons with flat button, momentary contact, with integrated LED										
24	24	Red	1	0	1	5	**3SU1152-0AB20-3CA0**		1	1 unit
				1	1	5	**3SU1152-0AB20-3FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1152-0AB30-3BA0**		1	1 unit
				1	1	5	**3SU1152-0AB30-3FA0**		1	1 unit
		Green	1	1	0	5	**3SU1152-0AB40-3BA0**		1	1 unit
				1	1	3	**3SU1152-0AB40-3FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1152-0AB50-3BA0**		1	1 unit
				1	1	5	**3SU1152-0AB50-3FA0**		1	1 unit
		White	1	1	0	3	**3SU1152-0AB60-3BA0**		1	1 unit
				1	1	5	**3SU1152-0AB60-3FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1152-0AB70-3BA0**		1	1 unit
				1	1	5	**3SU1152-0AB70-3FA0**		1	1 unit
110	--	Red	1	0	1	5	**3SU1153-0AB20-3CA0**		1	1 unit
				1	1	5	**3SU1153-0AB20-3FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1153-0AB30-3BA0**		1	1 unit
				1	1	5	**3SU1153-0AB30-3FA0**		1	1 unit
		Green	1	1	0	5	**3SU1153-0AB40-3BA0**		1	1 unit
				1	1	5	**3SU1153-0AB40-3FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1153-0AB50-3BA0**		1	1 unit
				1	1	5	**3SU1153-0AB50-3FA0**		1	1 unit
		White	1	1	0	5	**3SU1153-0AB60-3BA0**		1	1 unit
				1	1	5	**3SU1153-0AB60-3FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1153-0AB70-3BA0**		1	1 unit
				1	1	5	**3SU1153-0AB70-3FA0**		1	1 unit
230	--	Red	1	0	1	5	**3SU1156-0AB20-3CA0**		1	1 unit
				1	1	5	**3SU1156-0AB20-3FA0**		1	1 unit
		Yellow	1	1	0	5	**3SU1156-0AB30-3BA0**		1	1 unit
				1	1	5	**3SU1156-0AB30-3FA0**		1	1 unit
		Green	1	1	0	5	**3SU1156-0AB40-3BA0**		1	1 unit
				1	1	5	**3SU1156-0AB40-3FA0**		1	1 unit
		Blue	1	1	0	5	**3SU1156-0AB50-3BA0**		1	1 unit
				1	1	5	**3SU1156-0AB50-3FA0**		1	1 unit
		White	1	1	0	5	**3SU1156-0AB60-3BA0**		1	1 unit
				1	1	5	**3SU1156-0AB60-3FA0**		1	1 unit
		Clear	1	1	0	5	**3SU1156-0AB70-3BA0**		1	1 unit
				1	1	5	**3SU1156-0AB70-3FA0**		1	1 unit


3SU1156-0AB50-1BA0


3SU1150-0AB40-3BA0


3SU1150-0BB20-3CA0


3SU1152-0AB20-3CA0


3SU1153-0AB60-3BA0

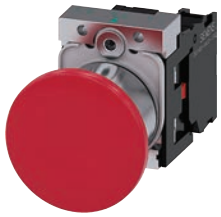

3SU1156-0AB30-3BA0

3SU1 22 mm, Metal, Shiny — Complete Units

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Selection and ordering data

Unlatching method	Number of Contact modules	NO contacts	NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Mushroom pushbuttons								
With red mushroom, diameter 40 mm, latching								
Pull to unlatch	1	0	1	▶	**3SU1150-1BA20-1CA0**		1	1 unit
		1	1	3	**3SU1150-1BA20-1FA0**		1	1 unit
					Spring-type terminals			
Pull to unlatch	1	0	1	5	**3SU1150-1BA20-3CA0**		1	1 unit
		1	1	5	**3SU1150-1BA20-3FA0**		1	1 unit



3SU1150-1BA20-1CA0

Selection and ordering data

Unlatching method	Number of Contact modules	NO contacts	NC contacts	Marking	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5									
With red mushroom, diameter 40 mm, with positive latching									
Pull to unlatch	1	0	1	EMERGENCY STOP	⊖ 5	**3SU1150-1HA20-1CG0**		1	1 unit
	1	0	1	NOT-HALT	⊖ 5	**3SU1150-1HA20-1CH0**		1	1 unit
		1	1	EMERGENCY STOP	⊖ 5	**3SU1150-1HA20-1FG0**		1	1 unit
		1	1	NOT-HALT	⊖ 5	**3SU1150-1HA20-1FH0**		1	1 unit
Rotate to unlatch	1	0	1	EMERGENCY STOP	⊖ 3	**3SU1150-1HB20-1CG0**		1	1 unit
	1	0	1	NOT-HALT	⊖ ▶	**3SU1150-1HB20-1CH0**		1	1 unit
		1	1	EMERGENCY STOP	⊖ 5	**3SU1150-1HB20-1FG0**		1	1 unit
		1	1	NOT-HALT	⊖ ▶	**3SU1150-1HB20-1FH0**		1	1 unit
						Spring-type terminals			
Pull to unlatch	1	0	1	NOT-HALT	⊖ 5	**3SU1150-1HA20-3CH0**		1	1 unit
	2	0	2	NOT-HALT	⊖ 5	**3SU1150-1HA20-3FH0**		1	1 unit
	2	0	2	NOT-HALT	⊖ 5	**3SU1150-1HA20-3PH0**		1	1 unit
Rotate to unlatch	1	0	1	NOT-HALT	⊖ 5	**3SU1150-1HB20-3CH0**		1	1 unit
	2	0	2	NOT-HALT	⊖ 5	**3SU1150-1HB20-3FH0**		1	1 unit
	2	0	2	NOT-HALT	⊖ 5	**3SU1150-1HB20-3PH0**		1	1 unit
Illuminated EMERGENCY STOP with integrated LED light module, Rated 24-240V AC/DC									
Red button, yellow backing plate, self-adhesive label with text:									
Rotate to unlatch	2	1	1	EMERGENCY STOP	5	**A6X30120577**		1	1 unit
Red button, yellow backing plate, self-adhesive label with text:									
Rotate to unlatch	2	1	2	EMERGENCY STOP	5	**A6X30120587**		1	1 unit
Red button, installed-monitoring contact modules, yellow backing plate, self-adhesive label with text									
Rotate to unlatch	2	0	2 MC	EMERGENCY STOP	5	**A6X30120588**		1	1 unit



3SU1150-1HB20-1CH0

⊖ Positive opening according to IEC 60947-5-1, Annex K. Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

3SU1 22 mm, Metal, Shiny — Complete Units

Selector switches / key-operated switches

Un-latching method	Supply voltage for light source at AC V	Supply voltage for light source at DC V	Number of Contact modules	Number of NO con-tacts	Number of NC con-tacts	Marking	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
ILLUMINATED EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5 NEW											
With red mushroom, diameter 40 mm, with positive latching											
Rotate to unlatch	24 ... 240	24 ... 240	1	0	2	EMER-GENCY STOP	⊕ 5	**3SU1158-1HB20-1PT0**		1	1 unit



3SU1158-1HB20-1PT0

⊕ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.
Certificate:

Selection and ordering data

Operating principle	Color	Number of Contact modules	Number of NO contacts	Number of NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches									
Short black actuator, 2 switch positions									
Latching, 90°	White	1	1	0	▶	**3SU1150-2BF60-1BA0**		1	1 unit
			1	1	3	**3SU1150-2BF60-1FA0**		1	1 unit
		2	1	1	▶	**3SU1150-2BF60-1MA0**		1	1 unit
Short black actuator, 3 switch positions (I - O - II)									
Momentary contact, 2x45°, reset from left + right	White	2	2	2	3	**3SU1150-2BM60-1LA0**		1	1 unit
			2	0	▶	**3SU1150-2BM60-1NA0**		1	1 unit
Latching, 2x45°	White	2	2	2	▶	**3SU1150-2BL60-1LA0**		1	1 unit
			2	0	▶	**3SU1150-2BL60-1NA0**		1	1 unit


3SU1150-2BF60-1BA0

						Spring-type terminals			
Short black actuator, 2 switch positions									
Latching, 90°	White	1	1	0	5	**3SU1150-2BF60-3BA0**		1	1 unit
		2	1	1	5	**3SU1150-2BF60-3MA0**		1	1 unit
Short black actuator, 3 switch positions									
Momentary contact, 2x45°, reset from left + right	White	2	2	2	5	**3SU1150-2BM60-3LA0**		1	1 unit
			2	0	5	**3SU1150-2BM60-3NA0**		1	1 unit
Latching, 2x45°	White	2	2	2	5	**3SU1150-2BL60-3LA0**		1	1 unit
			2	0	5	**3SU1150-2BL60-3NA0**		1	1 unit


3SU1150-2BL60-3NA0

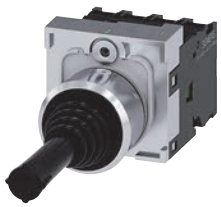
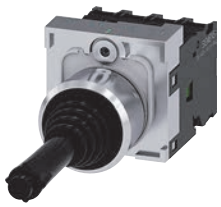
3SU1 22 mm, Metal, Shiny — Complete Units

Coordinate switches

Selection and ordering data

Operating principle	Switch position for key removal	Number of Contact modules	NO contacts	NC contacts	Number of keys	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches										
With RONIS lock, SB30, 2 switch positions										
 3SU1150-4BF11-1BA0										
Latching, 90° (10:30/ 1:30 o'clock) 	All	1	1	0	2	3	**3SU1150-4BF11-1BA0**		1	1 unit
	All		1	1	2	3	**3SU1150-4BF11-1FA0**		1	1 unit
							Spring-type terminals			
	All	1	1	0	2	5	**3SU1150-4BF11-3BA0**		1	1 unit
	All		1	1	2	5	**3SU1150-4BF11-3FA0**		1	1 unit
	O	2	0	2	2	5	**3SU1150-4BF01-3PA0**		1	1 unit

Selection and ordering data

Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Coordinate switches							
Without mechanical interlock, 2 switch positions							
 3SU1150-7AF88-1QA0							
2	Momentary contact	Horizontal	5	**3SU1150-7AC88-1NA0**		1	1 unit
		Vertical	5	**3SU1150-7AD88-1NA0**		1	1 unit
	Latching	Horizontal	5	**3SU1150-7AA88-1NA0**		1	1 unit
		Vertical	5	**3SU1150-7AB88-1NA0**		1	1 unit
Without mechanical interlock, 4 switch positions							
4	Momentary contact	Horizontal/Vertical	3	**3SU1150-7AF88-1QA0**		1	1 unit
	Latching	Horizontal/Vertical	5	**3SU1150-7AE88-1QA0**		1	1 unit
With mechanical interlock, 2 switch positions							
 3SU1150-7BF88-1QA0							
2	Momentary contact	Horizontal	5	**3SU1150-7BC88-1NA0**		1	1 unit
		Vertical	5	**3SU1150-7BD88-1NA0**		1	1 unit
	Latching	Horizontal	5	**3SU1150-7BA88-1NA0**		1	1 unit
		Vertical	5	**3SU1150-7BB88-1NA0**		1	1 unit
With mechanical interlock, 4 switch positions							
4	Momentary contact	Horizontal/Vertical	5	**3SU1150-7BF88-1QA0**		1	1 unit
	Latching	Horizontal/Vertical	5	**3SU1150-7BE88-1QA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Complete Units

Indicator lights

Selection and ordering data

Operational voltage at AC, rated value V	Operational voltage at DC, rated value V	Color of actuating element	Color of light source	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Indicator lights								
With smooth lens and integrated LED								
24	24	Amber	Amber	5	**3SU1152-6AA00-1AA0**		1	1 unit
		Red	Red	▶	**3SU1152-6AA20-1AA0**		1	1 unit
		Yellow	Yellow	▶	**3SU1152-6AA30-1AA0**		1	1 unit
		Green	Green	▶	**3SU1152-6AA40-1AA0**		1	1 unit
		Blue	Blue	3	**3SU1152-6AA50-1AA0**		1	1 unit
		White	White	▶	**3SU1152-6AA60-1AA0**		1	1 unit
		Clear	White	5	**3SU1152-6AA70-1AA0**		1	1 unit
110	--	Amber	Amber	5	**3SU1153-6AA00-1AA0**		1	1 unit
		Red	Red	▶	**3SU1153-6AA20-1AA0**		1	1 unit
		Yellow	Yellow	3	**3SU1153-6AA30-1AA0**		1	1 unit
		Green	Green	▶	**3SU1153-6AA40-1AA0**		1	1 unit
		Blue	Blue	5	**3SU1153-6AA50-1AA0**		1	1 unit
		White	White	3	**3SU1153-6AA60-1AA0**		1	1 unit
		Clear	White	5	**3SU1153-6AA70-1AA0**		1	1 unit
230	--	Red	Red	▶	**3SU1156-6AA20-1AA0**		1	1 unit
		Yellow	Yellow	3	**3SU1156-6AA30-1AA0**		1	1 unit
		Green	Green	▶	**3SU1156-6AA40-1AA0**		1	1 unit
		Blue	Blue	5	**3SU1156-6AA50-1AA0**		1	1 unit
		White	White	3	**3SU1156-6AA60-1AA0**		1	1 unit
		Clear	White	5	**3SU1156-6AA70-1AA0**		1	1 unit
					Spring-type terminals			
24	24	Red	Red	3	**3SU1152-6AA20-3AA0**		1	1 unit
		Yellow	Yellow	5	**3SU1152-6AA30-3AA0**		1	1 unit
		Green	Green	3	**3SU1152-6AA40-3AA0**		1	1 unit
		Blue	Blue	3	**3SU1152-6AA50-3AA0**		1	1 unit
		White	White	5	**3SU1152-6AA60-3AA0**		1	1 unit
		Clear	White	5	**3SU1152-6AA70-3AA0**		1	1 unit
110	--	Red	Red	5	**3SU1153-6AA20-3AA0**		1	1 unit
		Yellow	Yellow	5	**3SU1153-6AA30-3AA0**		1	1 unit
		Green	Green	5	**3SU1153-6AA40-3AA0**		1	1 unit
		Blue	Blue	5	**3SU1153-6AA50-3AA0**		1	1 unit
		White	White	5	**3SU1153-6AA60-3AA0**		1	1 unit
		Clear	White	5	**3SU1153-6AA70-3AA0**		1	1 unit
230	--	Red	Red	5	**3SU1156-6AA20-3AA0**		1	1 unit
		Yellow	Yellow	5	**3SU1156-6AA30-3AA0**		1	1 unit
		Green	Green	5	**3SU1156-6AA40-3AA0**		1	1 unit
		Blue	Blue	5	**3SU1156-6AA50-3AA0**		1	1 unit
		White	White	5	**3SU1156-6AA60-3AA0**		1	1 unit
		Clear	White	5	**3SU1156-6AA70-3AA0**		1	1 unit



3SU1152-6AA50-1AA0



3SU1156-6AA60-1AA0



3SU1152-6AA40-3AA0



3SU1156-6AA20-3AA0

3SU1 22 mm, Metal, Shiny — Compact Units

Indicator lights

Selection and ordering data

	Operational voltage at AC, rated value	Operational voltage at DC, rated value	Color of actuating element	Color of light source	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V	V			d				
Indicator lights NEW									
 3SU1251-6AB50-1AA0	24	24	Amber	Amber	5	**3SU1251-6AB00-1AA0**		1	1 unit
			Red	Red	▶	**3SU1251-6AB20-1AA0**		1	1 unit
			Yellow	Yellow	▶	**3SU1251-6AB30-1AA0**		1	1 unit
			Green	Green	▶	**3SU1251-6AB40-1AA0**		1	1 unit
			Blue	Blue	5	**3SU1251-6AB50-1AA0**		1	1 unit
			White	White	▶	**3SU1251-6AB60-1AA0**		1	1 unit
			Clear	Clear	3	**3SU1251-6AB70-1AA0**		1	1 unit
 3SU1251-6AC30-1AA0	110	110	Amber	Amber	5	**3SU1251-6AC00-1AA0**		1	1 unit
			Red	Red	3	**3SU1251-6AC20-1AA0**		1	1 unit
			Yellow	Yellow	5	**3SU1251-6AC30-1AA0**		1	1 unit
			Green	Green	5	**3SU1251-6AC40-1AA0**		1	1 unit
			Blue	Blue	5	**3SU1251-6AC50-1AA0**		1	1 unit
			White	White	5	**3SU1251-6AC60-1AA0**		1	1 unit
			Clear	Clear	5	**3SU1251-6AC70-1AA0**		1	1 unit
 3SU1251-6AF30-1AA0	230	230	Amber	Amber	5	**3SU1251-6AF00-1AA0**		1	1 unit
			Red	Red	3	**3SU1251-6AF20-1AA0**		1	1 unit
			Yellow	Yellow	5	**3SU1251-6AF30-1AA0**		1	1 unit
			Green	Green	5	**3SU1251-6AF40-1AA0**		1	1 unit
			Blue	Blue	5	**3SU1251-6AF50-1AA0**		1	1 unit
			White	White	5	**3SU1251-6AF60-1AA0**		1	1 unit
			Clear	Clear	5	**3SU1251-6AF70-1AA0**		1	1 unit
Indicator lights with "traffic light" LED									
 3SU1251-6AG24-1AA0	6 ... 24	6 ... 24	Clear	Red/Yellow/Green	▶	**3SU1251-6AG24-1AA0**		1	1 unit
	110	--	Clear	Red/Yellow/Green	▶	**3SU1251-6AC24-1AA0**		1	1 unit
	230	--	Clear	Red/Yellow/Green	▶	**3SU1251-6AF24-1AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Compact Units

Potentiometers

Selection and ordering data

	Operational voltage at AC, rated value	Operational voltage at DC, rated value	Volume level	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V	V	dB	d				
Acoustic signaling devices								
 3SU1250-6KB10-1AA0	24	24	90	5	**3SU1250-6KB10-1AA0**		1	1 unit
	110	--	90	5	**3SU1250-6KC10-1AA0**		1	1 unit
	230	--	90	5	**3SU1250-6KF10-1AA0**		1	1 unit

Selection and ordering data

	Version of actuating element	Operating principle	Adjustable resistance	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			kΩ	d				
Potentiometers								
 3SU1250-2PQ10-1AA0	**Rotary knob**	Stepless	1	▶	**3SU1250-2PQ10-1AA0**		1	1 unit
			4.7	▶	**3SU1250-2PR10-1AA0**		1	1 unit
			10	▶	**3SU1250-2PS10-1AA0**		1	1 unit
			47	▶	**3SU1250-2PT10-1AA0**		1	1 unit
			100	▶	**3SU1250-2PU10-1AA0**		1	1 unit
			470	▶	**3SU1250-2PV10-1AA0**		1	1 unit

Labeling plates for potentiometers, see page 10/153.

3SU1 22 mm, Metal, Shiny — Compact Units

Pushbuttons with extended stroke

Selection and ordering data

	Version	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons with extended stroke							
	For actuating relays, can only be combined with extension plunger, no contact module or LED module required						
 3SU1250-0EB40-0AA0	**Pushbuttons with flat button**	Red Green Blue	5 5 7	**3SU1250-0EB20-0AA0** **3SU1250-0EB40-0AA0** **3SU1250-0EB50-0AA0**		1 1 1	1 unit 1 unit 1 unit
 3SU1250-0FB10-0AA0	**Pushbuttons with raised button**	Black	▶	**3SU1250-0FB10-0AA0**		1	1 unit
 3SU1251-0EB20-0AA0	**Pushbuttons with flat transparent button for insertion of insert labels**	Red Clear	3 3	**3SU1251-0EB20-0AA0** **3SU1251-0EB70-0AA0**		1 1	1 unit 1 unit

	Version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Accessories								
 3SU1900-0KG10-0AA0	**Extension plungers** For compensation of the distance between the pushbutton and the unlatching button of an overload relay	Plastic	Gray	▶	**3SU1900-0KG10-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Pushbuttons

Selection and ordering data

	Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons								
 3SU1050-0AB40-0AC0	**Pushbuttons with flat button** Standard	Momentary contact	Black	▶	**3SU1050-0AB10-0AA0**		1	1 unit
			Black, "O"	▶	**3SU1050-0AB10-0AD0**		1	1 unit
			Red	▶	**3SU1050-0AB20-0AA0**		1	1 unit
			Red, "O"	▶	**3SU1050-0AB20-0AD0**		1	1 unit
			Yellow	3	**3SU1050-0AB30-0AA0**		1	1 unit
			Green	▶	**3SU1050-0AB40-0AA0**		1	1 unit
			Green, "I"	▶	**3SU1050-0AB40-0AC0**		1	1 unit
			Blue	3	**3SU1050-0AB50-0AA0**		1	1 unit
			Blue, "R"	5	**3SU1050-0AB50-0AR0**		1	1 unit
			White	3	**3SU1050-0AB60-0AA0**		1	1 unit
			White, "⏻"	5	**3SU1050-0AB60-0AB0**		1	1 unit
			White, "I"	▶	**3SU1050-0AB60-0AC0**		1	1 unit
			Clear	3	**3SU1050-0AB70-0AA0**		1	1 unit
			Gray	▶	**3SU1050-0AB80-0AA0**		1	1 unit
 3SU1050-0AA30-0AA0		Latching Push to unlatch	Black	▶	**3SU1050-0AA10-0AA0**		1	1 unit
			Red	▶	**3SU1050-0AA20-0AA0**		1	1 unit
			Yellow	▶	**3SU1050-0AA30-0AA0**		1	1 unit
			Green	▶	**3SU1050-0AA40-0AA0**		1	1 unit
			Blue	▶	**3SU1050-0AA50-0AA0**		1	1 unit
			White	▶	**3SU1050-0AA60-0AA0**		1	1 unit
 3SU1050-0BB20-0AA0	**Pushbuttons with raised button** Standard	Momentary contact	Black	3	**3SU1050-0BB10-0AA0**		1	1 unit
			Red	▶	**3SU1050-0BB20-0AA0**		1	1 unit
			Yellow	▶	**3SU1050-0BB30-0AA0**		1	1 unit
			Green	▶	**3SU1050-0BB40-0AA0**		1	1 unit
			Blue	▶	**3SU1050-0BB50-0AA0**		1	1 unit
			White	▶	**3SU1050-0BB60-0AA0**		1	1 unit
		Latching Push to unlatch	Red	5	**3SU1050-0BA20-0AA0**		1	1 unit
 3SU1050-0CB50-0AA0	**Pushbuttons with flat button** Raised	Momentary contact	Black	5	**3SU1050-0CB10-0AA0**		1	1 unit
			Red	5	**3SU1050-0CB20-0AA0**		1	1 unit
			Yellow	5	**3SU1050-0CB30-0AA0**		1	1 unit
			Green	5	**3SU1050-0CB40-0AA0**		1	1 unit
			Blue	5	**3SU1050-0CB50-0AA0**		1	1 unit
			White	5	**3SU1050-0CB60-0AA0**		1	1 unit
 3SU1051-0CB40-0AA0	**Illuminated pushbuttons with flat button** Raised	Momentary contact	Green	X	**3SU1051-0CB40-0AA0**		1	20 units

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

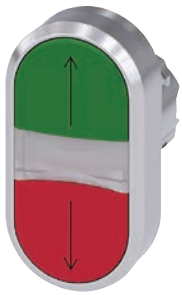
Pushbuttons

	Version of actuating element Front ring version	Operating principle Unlatching method	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons								
 3SU1051-0AB30-0AA0	**Illuminated pushbuttons with flat button** Standard	Momentary contact	Amber	5	**3SU1051-0AB00-0AA0**		1	1 unit
			Red ▶		**3SU1051-0AB20-0AA0**		1	1 unit
			Yellow	3	**3SU1051-0AB30-0AA0**		1	1 unit
			Green ▶		**3SU1051-0AB40-0AA0**		1	1 unit
			Blue	3	**3SU1051-0AB50-0AA0**		1	1 unit
			White ▶		**3SU1051-0AB60-0AA0**		1	1 unit
			Clear ▶		**3SU1051-0AB70-0AA0**		1	1 unit
 3SU1051-0AA20-0AA0		Latching Push to unlatch	Red ▶		**3SU1051-0AA20-0AA0**		1	1 unit
			Yellow ▶		**3SU1051-0AA30-0AA0**		1	1 unit
			Green ▶		**3SU1051-0AA40-0AA0**		1	1 unit
			Blue ▶		**3SU1051-0AA50-0AA0**		1	1 unit
			White ▶		**3SU1051-0AA60-0AA0**		1	1 unit
			Clear	5	**3SU1051-0AA70-0AA0**		1	1 unit
 3SU1051-0BB20-0AA0	**Illuminated pushbuttons with raised button** Standard	Momentary contact	Amber	5	**3SU1051-0BB00-0AA0**		1	1 unit
			Red ▶		**3SU1051-0BB20-0AA0**		1	1 unit
			Yellow ▶		**3SU1051-0BB30-0AA0**		1	1 unit
			Green ▶		**3SU1051-0BB40-0AA0**		1	1 unit
			Blue ▶		**3SU1051-0BB50-0AA0**		1	1 unit
			White	5	**3SU1051-0BB60-0AA0**		1	1 unit
			Clear	3	**3SU1051-0BB70-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Twin pushbuttons

Selection and ordering data

	Version of actuating element	Operating principle	Color	Marking Symbol No.	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Twin pushbuttons									
 3SU1050-3AB66-0AL0	**Twin pushbuttons** flat, flat	Momentary contact	Green/Red	--	3	**3SU1050-3AB42-0AA0**		1	1 unit
				"I"/"O"	3	**3SU1050-3AB42-0AK0**		1	1 unit
			White/Black	--	3	**3SU1050-3AB61-0AA0**		1	1 unit
				"I"/"O"	3	**3SU1050-3AB61-0AK0**		1	1 unit
			White/White	--	3	**3SU1050-3AB66-0AA0**		1	1 unit
				"–"/"+"	5	**3SU1050-3AB66-0AL0**		1	1 unit
				Arrows, hor.	5	**3SU1050-3AB66-0AM0**		1	1 unit
			Black/Black	--	3	**3SU1050-3AB11-0AA0**		1	1 unit
				⊙ ○ 5264/5265 (IEC 60417)	5	**3SU1050-3AB11-0AQ0**		1	1 unit
 3SU1050-3BB42-0AK0	**Twin pushbuttons** flat, raised	Momentary contact	Green/Red	--	3	**3SU1050-3BB42-0AA0**		1	1 unit
				"I"/"O"	3	**3SU1050-3BB42-0AK0**		1	1 unit
			White/Black	--	3	**3SU1050-3BB61-0AA0**		1	1 unit
				"I"/"O"	5	**3SU1050-3BB61-0AK0**		1	1 unit
 3SU1051-3AB42-0AN0	**Twin pushbuttons** flat, flat, illuminated	Momentary contact	Green/Red	--	▶	**3SU1051-3AB42-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1051-3AB42-0AK0**		1	1 unit
				Arrows, vert.	5	**3SU1051-3AB42-0AN0**		1	1 unit
			White/Black	--	▶	**3SU1051-3AB61-0AA0**		1	1 unit
				"I"/"O"	3	**3SU1051-3AB61-0AK0**		1	1 unit
 3SU1051-3BB61-0AA0	**Twin pushbuttons** flat, raised, illuminated	Momentary contact	Green/Red	--	3	**3SU1051-3BB42-0AA0**		1	1 unit
				"I"/"O"	▶	**3SU1051-3BB42-0AK0**		1	1 unit
			White/Black	--	3	**3SU1051-3BB61-0AA0**		1	1 unit
				"I"/"O"	5	**3SU1051-3BB61-0AK0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Mushroom pushbuttons

Selection and ordering data

Version of actuating element	Operating principle / Unlatching method	Color	SD / d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Mushroom pushbuttons							
2 switch positions							
 3SU1050-1AD20-0AA0							
Mushroom pushbuttons 30 mm diameter, 2 positions	Momentary contact	Black	▶	**3SU1050-1AD10-0AA0**		1	1 unit
		Red	▶	**3SU1050-1AD20-0AA0**		1	1 unit
		Yellow	▶	**3SU1050-1AD30-0AA0**		1	1 unit
		Green	▶	**3SU1050-1AD40-0AA0**		1	1 unit
	Latching / Pull to unlatch	Black	▶	**3SU1050-1AA10-0AA0**		1	1 unit
		Red	▶	**3SU1050-1AA20-0AA0**		1	1 unit
 3SU1050-1BD30-0AA0							
Mushroom pushbuttons 40 mm diameter, 2 positions	Momentary contact	Black	3	**3SU1050-1BD10-0AA0**		1	1 unit
		Red	5	**3SU1050-1BD20-0AA0**		1	1 unit
		Yellow	5	**3SU1050-1BD30-0AA0**		1	1 unit
		Green	5	**3SU1050-1BD40-0AA0**		1	1 unit
	Latching / Pull to unlatch	Black	3	**3SU1050-1BA10-0AA0**		1	1 unit
		Red	3	**3SU1050-1BA20-0AA0**		1	1 unit
		Yellow	5	**3SU1050-1BA30-0AA0**		1	1 unit
 3SU1050-1CD40-0AA0							
Mushroom pushbuttons 60 mm diameter, 2 positions	Momentary contact	Black	5	**3SU1050-1CD10-0AA0**		1	1 unit
		Red	5	**3SU1050-1CD20-0AA0**		1	1 unit
		Yellow	5	**3SU1050-1CD30-0AA0**		1	1 unit
		Green	5	**3SU1050-1CD40-0AA0**		1	1 unit
	Latching / Pull to unlatch	Black	5	**3SU1050-1CA10-0AA0**		1	1 unit
		Red	5	**3SU1050-1CA20-0AA0**		1	1 unit
 3SU1051-1AD60-0AA0							
Mushroom pushbuttons 30 mm diameter, 2 positions, illuminated	Momentary contact	Yellow	5	**3SU1051-1AD30-0AA0**		1	1 unit
		Green	5	**3SU1051-1AD40-0AA0**		1	1 unit
		Blue	NEW 5	**3SU1051-1AD50-0AA0**		1	1 unit
		White	5	**3SU1051-1AD60-0AA0**		1	1 unit
	Latching / Pull to unlatch	Amber	5	**3SU1051-1AA00-0AA0**		1	1 unit
		Red	5	**3SU1051-1AA20-0AA0**		1	1 unit
		Yellow	5	**3SU1051-1AA30-0AA0**		1	1 unit
		Green	5	**3SU1051-1AA40-0AA0**		1	1 unit
		Blue	5	**3SU1051-1AA50-0AA0**		1	1 unit
		Clear	5	**3SU1051-1AA70-0AA0**		1	1 unit
 3SU1051-1BD40-0AA0							
Mushroom pushbuttons 40 mm diameter, 2 positions, illuminated	Momentary contact	Amber	5	**3SU1051-1BD00-0AA0**		1	1 unit
		Yellow	5	**3SU1051-1BD30-0AA0**		1	1 unit
		Green	5	**3SU1051-1BD40-0AA0**		1	1 unit
		White	5	**3SU1051-1BD60-0AA0**		1	1 unit
	Latching / Pull to unlatch	Amber	5	**3SU1051-1BA00-0AA0**		1	1 unit
		Red	3	**3SU1051-1BA20-0AA0**		1	1 unit
		Yellow	5	**3SU1051-1BA30-0AA0**		1	1 unit
		Green	5	**3SU1051-1BA40-0AA0**		1	1 unit
		Blue	5	**3SU1051-1BA50-0AA0**		1	1 unit
		Clear	5	**3SU1051-1BA70-0AA0**		1	1 unit
 3SU1051-1CA50-0AA0							
Mushroom pushbuttons 60 mm diameter, 2 positions, illuminated	Momentary contact / None	Amber	5	**3SU1051-1CD00-0AA0**		1	1 unit
		Yellow	5	**3SU1051-1CD30-0AA0**		1	1 unit
		Green	5	**3SU1051-1CD40-0AA0**		1	1 unit
		White	5	**3SU1051-1CD60-0AA0**		1	1 unit
	Latching / Pull to unlatch	Red	5	**3SU1051-1CA20-0AA0**		1	1 unit
		Yellow	5	**3SU1051-1CA30-0AA0**		1	1 unit
		Green	5	**3SU1051-1CA40-0AA0**		1	1 unit
		Blue	5	**3SU1051-1CA50-0AA0**		1	1 unit
		Clear	5	**3SU1051-1CA70-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

	Version of actuating element	Operating principle Unlatching method	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Mushroom pushbuttons								
	2 switch positions							
 3SU1050-1HB10-0AA0	**Mushroom pushbuttons** with raised mushroom, 40 mm diameter, 2 positions	With positive latching Rotate to unlatch	Black Yellow	5 5	**3SU1050-1HB10-0AA0** **3SU1050-1HB30-0AA0**		1 1	1 unit 1 unit
	3 switch positions							
 3SU1050-1EA20-0AA0	**Mushroom pushbuttons** 40 mm diameter, 3 positions	Momentary contact	Black Red	5 5	**3SU1050-1ED10-0AA0** **3SU1050-1ED20-0AA0**		1 1	1 unit 1 unit
		Latching Pull to unlatch	Black Red	5 5	**3SU1050-1EA10-0AA0** **3SU1050-1EA20-0AA0**		1 1	1 unit 1 unit
 3SU1051-1EA40-0AA0	**Mushroom pushbuttons** 40 mm diameter, 3 positions, illuminated	Momentary contact	Red White	5 5	**3SU1051-1ED20-0AA0** **3SU1051-1ED60-0AA0**		1 1	1 unit 1 unit
		Latching Pull to unlatch	Red Green	5 5	**3SU1051-1EA20-0AA0** **3SU1051-1EA40-0AA0**		1 1	1 unit 1 unit

Selection and ordering data

	Version of actuating element	Outer diameter of mushroom	Make of lock	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5									
	With pull-to-unlatch mechanism								
 3SU1050-1HA20-0AA0	With positive latching, 2 positions	40	--	Red	3	**3SU1050-1HA20-0AA0**		1	1 unit
	With rotate-to-unlatch mechanism								
 3SU1050-1GB20-0AA0	With positive latching, 2 positions	33.8	--	Red	3	**3SU1050-1GB20-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

EMERGENCY STOP mushroom pushbuttons

Version of actuating element	Outer diameter of mushroom	Make of lock	Color	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5									
With rotate-to-unlatch mechanism									
With positive latching, 2 positions	40	--	Red	--	▶	**3SU1050-1HB20-0AA0**		1	1 unit
	60	--	Red	--	5	**3SU1050-1JB20-0AA0**		1	1 unit
With latching, 2 positions	40	--	Red	--	NEW 3	**3SU1050-1LB20-0AA0**		1	1 unit
With rotate-to-unlatch mechanism, can be illuminated									
With positive latching, 2 positions	33.8	--	Red	--	▶	**3SU1051-1GB20-0AA0**		1	1 unit
	40				▶	**3SU1051-1HB20-0AA0**		1	1 unit
	60				▶	**3SU1051-1JB20-0AA0**		1	1 unit
With key-operated release									
With positive latching, 2 positions	40	RONIS SB30	Red	2	3	**3SU1050-1HF20-0AA0**		1	1 unit
		RONIS 455		2	5	**3SU1050-1HG20-0AA0**		1	1 unit
		RONIS 421		2	5	**3SU1050-1HH20-0AA0**		1	1 unit
		BKS S1	Red	2	5	**3SU1050-1HK20-0AA0**		1	1 unit
		BKS E7		0	5	**3SU1050-1HM20-0AA0**		1	1 unit
		BKS E9		0	5	**3SU1050-1HN20-0AA0**		1	1 unit
		O.M.R. 73037	Red	2	5	**3SU1050-1HQ20-0AA0**		1	1 unit
		CES SSG10	Red	2	3	**3SU1050-1HR20-0AA0**		1	1 unit
		CES SSP9		2	5	**3SU1050-1HS20-0AA0**		1	1 unit
		CES VL5	Black	2	5	**3SU1050-1HU10-0AA0**		1	1 unit
			Red	2	5	**3SU1050-1HU20-0AA0**		1	1 unit
		CES VL1		2	5	**3SU1050-1HV20-0AA0**		1	1 unit
		IKON 360012K1	Red	2	5	**3SU1050-1HX20-0AA0**		1	1 unit


3SU1050-1HB20-0AA0


3SU1050-1JB20-0AA0


3SU1051-1HB20-0AA0


3SU1050-1HF20-0AA0


3SU1050-1HQ20-0AA0


3SU1050-1HR20-0AA0

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Toggle switches / Selector switches

Selection and ordering data

Number of switching positions	Number of command points	Color of actuating element	Operating principle of the actuating element	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Toggle switches								
2	1	Black	Latching	5	**3SU1050-3EA10-0AA0**		1	1 unit
			Momentary contact, reset from above	5	**3SU1050-3EC10-0AA0**		1	1 unit



3SU1050-3EA10-0AA0

Selection and ordering data

Version of actuating element	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches							
2 switch positions, can be illuminated							
Selector, short black actuator	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black	3	**3SU1052-2BC10-0AA0**		1	1 unit
		Red	▶	**3SU1052-2BC20-0AA0**		1	1 unit
		Yellow	5	**3SU1052-2BC30-0AA0**		1	1 unit
		Green	▶	**3SU1052-2BC40-0AA0**		1	1 unit
		Blue	▶	**3SU1052-2BC50-0AA0**		1	1 unit
		White	3	**3SU1052-2BC60-0AA0**		1	1 unit
	Latching, 90° (10:30/1:30 o'clock) 	Amber	5	**3SU1052-2BF00-0AA0**		1	1 unit
		Black	▶	**3SU1052-2BF10-0AA0**		1	1 unit
		Red	3	**3SU1052-2BF20-0AA0**		1	1 unit
		Yellow	NEW 7	**3SU1052-2BF30-0AA0**		1	1 unit
		Green	3	**3SU1052-2BF40-0AA0**		1	1 unit
		Blue	NEW 7	**3SU1052-2BF50-0AA0**		1	1 unit
		White	▶	**3SU1052-2BF60-0AA0**		1	1 unit
Selector, long black actuator	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black	5	**3SU1052-2CC10-0AA0**		1	1 unit
		Yellow	5	**3SU1052-2CC30-0AA0**		1	1 unit
		Green	5	**3SU1052-2CC40-0AA0**		1	1 unit
		Blue	5	**3SU1052-2CC50-0AA0**		1	1 unit
		White	5	**3SU1052-2CC60-0AA0**		1	1 unit
	Latching, 90° (10:30/1:30 o'clock)	Black	5	**3SU1052-2CF10-0AA0**		1	1 unit
		Red	5	**3SU1052-2CF20-0AA0**		1	1 unit
		Yellow	5	**3SU1052-2CF30-0AA0**		1	1 unit
		Green	5	**3SU1052-2CF40-0AA0**		1	1 unit
		Blue	5	**3SU1052-2CF50-0AA0**		1	1 unit
		White	5	**3SU1052-2CF60-0AA0**		1	1 unit



3SU1052-2BC20-0AA0



3SU1052-2BF40-0AA0



3SU1052-2CF60-0AA0

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Selector switches

	Version of actuating element	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches								
	3 switch positions, can be illuminated							
 3SU1052-2BM50-0AA0	Selector, short black actuator	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right 	Amber	5	**3SU1052-2BM00-0AA0**		1	1 unit
			Black	▶	**3SU1052-2BM10-0AA0**		1	1 unit
			Red	5	**3SU1052-2BM20-0AA0**		1	1 unit
			Yellow	5	**3SU1052-2BM30-0AA0**		1	1 unit
			Green	▶	**3SU1052-2BM40-0AA0**		1	1 unit
			Blue	▶	**3SU1052-2BM50-0AA0**		1	1 unit
			White	▶	**3SU1052-2BM60-0AA0**		1	1 unit
 3SU1052-2BL30-0AA0		Latching, 2x45° (10:30/12/1:30 o'clock) 	Amber	5	**3SU1052-2BL00-0AA0**		1	1 unit
			Black	▶	**3SU1052-2BL10-0AA0**		1	1 unit
			Red	▶	**3SU1052-2BL20-0AA0**		1	1 unit
			Yellow	▶	**3SU1052-2BL30-0AA0**		1	1 unit
			Green	3	**3SU1052-2BL40-0AA0**		1	1 unit
			White	▶	**3SU1052-2BL60-0AA0**		1	1 unit
 3SU1052-2BN20-0AA0		Momentary contact/ latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right 	Black	5	**3SU1052-2BP10-0AA0**		1	1 unit
			Red	5	**3SU1052-2BP20-0AA0**		1	1 unit
			Green	5	**3SU1052-2BP40-0AA0**		1	1 unit
			White	5	**3SU1052-2BP60-0AA0**		1	1 unit
		Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left 	Black	3	**3SU1052-2BN10-0AA0**		1	1 unit
			Red	5	**3SU1052-2BN20-0AA0**		1	1 unit
			Green	▶	**3SU1052-2BN40-0AA0**		1	1 unit
			White	3	**3SU1052-2BN60-0AA0**		1	1 unit
 3SU1052-2CL40-0AA0	Selector, long black actuator	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right 	Black	3	**3SU1052-2CM10-0AA0**		1	1 unit
			Red	5	**3SU1052-2CM20-0AA0**		1	1 unit
			Green	5	**3SU1052-2CM40-0AA0**		1	1 unit
			White	3	**3SU1052-2CM60-0AA0**		1	1 unit
		Latching, 2x45° (10:30/12/1:30 o'clock) 	Black	5	**3SU1052-2CL10-0AA0**		1	1 unit
			Red	5	**3SU1052-2CL20-0AA0**		1	1 unit
			Green	5	**3SU1052-2CL40-0AA0**		1	1 unit
			White	5	**3SU1052-2CL60-0AA0**		1	1 unit
		Momentary contact/ latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right 	Black	5	**3SU1052-2CP10-0AA0**		1	1 unit
			Red	5	**3SU1052-2CP20-0AA0**		1	1 unit
			White	5	**3SU1052-2CP60-0AA0**		1	1 unit
	Lockable with 2 padlocks or car-abiner hooks	Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left 	Black	5	**3SU1052-2CN10-0AA0**		1	1 unit
			Red	5	**3SU1052-2CN20-0AA0**		1	1 unit
			White	5	**3SU1052-2CN60-0AA0**		1	1 unit
			Black	NEW 5	**3SU1042-2GL10-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Selector switches

	Version of actuating element	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches								
	4 switch positions							
 3SU1050-2AS60-0AA0	Rotary knob	Latching, 4x90° (3/6/9/12 o'clock) 	White	3	**3SU1050-2AS60-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Key-operated switches

Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches								
2 switch positions								
 3SU1050-4BC01-0AA0								
Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	RONIS, SB30	O	2	3	**3SU1050-4BC01-0AA0**		1	1 unit
	RONIS, 455	O	2	5	**3SU1050-4CC01-0AA0**		1	1 unit
	O.M.R. 73037, red	O	2	5	**3SU1050-4FC01-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	5	**3SU1050-4GC01-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	5	**3SU1050-4HC01-0AA0**		1	1 unit
	O.M.R. 73033, yellow	O	2	5	**3SU1050-4JC01-0AA0**		1	1 unit
	CES, SSG10	O	2	3	**3SU1050-5BC01-0AA0**		1	1 unit
	CES, LSG1	O	2	5	**3SU1050-5HC01-0AA0**		1	1 unit
	CES, VL5	O	2	5	**3SU1050-5KC01-0AA0**		1	1 unit
	CES, STGH10	O	2	5	**3SU1050-5LC01-0AA0**		1	1 unit
	BKS, S1	O	2	5	**3SU1050-5PC01-0AA0**		1	1 unit
	IKON, 360012K1	O	2	5	**3SU1050-5XC01-0AA0**		1	1 unit
 3SU1050-4BF01-0AA0								
Latching, 90° (10:30/1:30 o'clock) 	RONIS, SB30	O	2	3	**3SU1050-4BF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1050-4BF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-4BF21-0AA0**		1	1 unit
	RONIS, 455	O	2	5	**3SU1050-4CF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-4CF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-4CF21-0AA0**		1	1 unit
	RONIS, 421	O+I	2	5	**3SU1050-4DF11-0AA0**		1	1 unit
 3SU1050-4GF11-0AA0								
	O.M.R. 73037, red	O	2	5	**3SU1050-4FF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-4FF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-4FF21-0AA0**		1	1 unit
	O.M.R. 73038, light blue	O	2	5	**3SU1050-4GF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-4GF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-4GF21-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	5	**3SU1050-4HF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-4HF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-4HF21-0AA0**		1	1 unit
	O.M.R. 73033, yellow	O	2	5	**3SU1050-4JF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-4JF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-4JF21-0AA0**		1	1 unit
 3SU1050-5BF01-0AA0								
	CES, SSG10	O	2	3	**3SU1050-5BF01-0AA0**		1	1 unit
		O+I	2	3	**3SU1050-5BF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-5BF21-0AA0**		1	1 unit
	CES, SSG10 with key monitoring	O	2	NEW 5	**3SU1050-5JF01-0AA0**		1	1 unit
	CES, LSG1	O	2	5	**3SU1050-5HF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-5HF11-0AA0**		1	1 unit
	CES, VL5	O	2	5	**3SU1050-5KF01-0AA0**		1	1 unit
	CES, STGH10	O+I	2	5	**3SU1050-5LF11-0AA0**		1	1 unit
 3SU1050-5PF01-0AA0								
	BKS, S1	O	2	5	**3SU1050-5PF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-5PF11-0AA0**		1	1 unit
		I	2	5	**3SU1050-5PF21-0AA0**		1	1 unit
	BKS, E1	O	0	5	**3SU1050-5QF01-0AA0**		1	1 unit
		O+I	0	5	**3SU1050-5QF11-0AA0**		1	1 unit
	BKS, E2	O	0	3	**3SU1050-5RF01-0AA0**		1	1 unit
		O+I	0	5	**3SU1050-5RF11-0AA0**		1	1 unit
	BKS, E7	O	0	5	**3SU1050-5SF01-0AA0**		1	1 unit
		O+I	0	5	**3SU1050-5SF11-0AA0**		1	1 unit
	BKS, E9	O	0	5	**3SU1050-5TF01-0AA0**		1	1 unit
		O+I	0	5	**3SU1050-5TF11-0AA0**		1	1 unit
	IKON, 360012K1	O	2	5	**3SU1050-5XF01-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-5XF11-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Key-operated switches

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches								
3 switch positions								
 3SU1050-4BM01-0AA0								
Momentary contact, 2x45° (10:30/12/ 1:30 o'clock), reset from left + right 	RONIS, SB30	O	2	5	**3SU1050-4BM01-0AA0**		1	1 unit
	RONIS, 455	O	2	5	**3SU1050-4CM01-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	5	**3SU1050-4HM01-0AA0**		1	1 unit
	CES, SSG10	O	2	5	**3SU1050-5BM01-0AA0**		1	1 unit
	CES, STGH10	O	2	5	**3SU1050-5LM01-0AA0**		1	1 unit
	BKS, S1	O	2	5	**3SU1050-5PM01-0AA0**		1	1 unit
	IKON, 360012K1	O	2	5	**3SU1050-5XM01-0AA0**		1	1 unit
Latching, 2x45° (10:30/12/ 1:30 o'clock) 	RONIS, SB30	O	2	5	**3SU1050-4BL01-0AA0**		1	1 unit
		I+O+II	2	3	**3SU1050-4BL11-0AA0**		1	1 unit
		I	2	5	**3SU1050-4BL21-0AA0**		1	1 unit
		II	2	5	**3SU1050-4BL31-0AA0**		1	1 unit
		I+II	2	5	**3SU1050-4BL41-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-4BL51-0AA0**		1	1 unit
	RONIS, 455	O	2	5	**3SU1050-4CL01-0AA0**		1	1 unit
		I+O+II	2	5	**3SU1050-4CL11-0AA0**		1	1 unit
	RONIS, 421		2	5	**3SU1050-4DL11-0AA0**		1	1 unit
	O.M.R. 73037, red	I+O+II	2	5	**3SU1050-4FL11-0AA0**		1	1 unit
 3SU1050-4FL11-0AA0								
	O.M.R. 73038, light blue	O	2	5	**3SU1050-4GL01-0AA0**		1	1 unit
		I+O+III	2	5	**3SU1050-4GL11-0AA0**		1	1 unit
	O.M.R. 73034, black	O	2	5	**3SU1050-4HL01-0AA0**		1	1 unit
		I+O+II	2	5	**3SU1050-4HL11-0AA0**		1	1 unit
	CES, SSG10	O	2	5	**3SU1050-5BL01-0AA0**		1	1 unit
 3SU1050-5BL01-0AA0								
		I+O+II	2	3	**3SU1050-5BL11-0AA0**		1	1 unit
		I	2	5	**3SU1050-5BL21-0AA0**		1	1 unit
		II	2	5	**3SU1050-5BL31-0AA0**		1	1 unit
		I+II	2	5	**3SU1050-5BL41-0AA0**		1	1 unit
	CES, SSG10 with key monitoring	O	2	NEW 5	**3SU1050-5JL01-0AA0**		1	1 unit
	BKS, S1	O	2	5	**3SU1050-5PL01-0AA0**		1	1 unit
		I+O+II	2	5	**3SU1050-5PL11-0AA0**		1	1 unit
		I	2	5	**3SU1050-5PL21-0AA0**		1	1 unit
		I+II	2	5	**3SU1050-5PL41-0AA0**		1	1 unit
	IKON, 360012K1	O	2	5	**3SU1050-5XL01-0AA0**		1	1 unit
		I+O+II	2	5	**3SU1050-5XL11-0AA0**		1	1 unit
Momentary contact/ latching, 2x45° (10:30/12/ 1:30 o'clock), reset from left, latching to the right 	RONIS, SB30	O	2	5	**3SU1050-4BP01-0AA0**		1	1 unit
		O+II	2	5	**3SU1050-4BP61-0AA0**		1	1 unit
	O.M.R. 73034, black	II	2	5	**3SU1050-4HP31-0AA0**		1	1 unit
	O.M.R. 73033, yellow	II	2	5	**3SU1050-4JP31-0AA0**		1	1 unit
	CES, SSG10	O	2	5	**3SU1050-5BP01-0AA0**		1	1 unit
 3SU1050-4BP01-0AA0								
		II	2	5	**3SU1050-5BP31-0AA0**		1	1 unit
		O+II	2	5	**3SU1050-5BP61-0AA0**		1	1 unit
	BKS, S1	O	2	5	**3SU1050-5PP01-0AA0**		1	1 unit
Latching/momentary contact, 2x45° (10:30/12/ 1:30 o'clock), reset from right, latching to the left 	RONIS, SB30	O	2	5	**3SU1050-4BN01-0AA0**		1	1 unit
		I	2	5	**3SU1050-4BN21-0AA0**		1	1 unit
		O+IO+I	2	5	**3SU1050-4BN51-0AA0**		1	1 unit
	CES, SSG10	O	2	5	**3SU1050-5BN01-0AA0**		1	1 unit
		I	2	5	**3SU1050-5BN21-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-5BN51-0AA0**		1	1 unit
	CES, STGH10	O+I	2	5	**3SU1050-5LN51-0AA0**		1	1 unit
	BKS, S1	O	2	5	**3SU1050-5PN01-0AA0**		1	1 unit
		I	2	5	**3SU1050-5PN21-0AA0**		1	1 unit
		O+I	2	5	**3SU1050-5PN51-0AA0**		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Key-operated switches / Indicator lights

Selection and ordering data

Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD	Screw terminals — Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			d				
Coordinate switches							
		Without mechanical interlock, 2 switch positions					
2	Momentary contact	Horizontal	▶	**3SU1050-7AC88-0AA0**		1	1 unit
		Vertical	▶	**3SU1050-7AD88-0AA0**		1	1 unit
	Latching	Horizontal	▶	**3SU1050-7AA88-0AA0**		1	1 unit
		Vertical	▶	**3SU1050-7AB88-0AA0**		1	1 unit
		Without mechanical interlock, 4 switch positions					
4	Momentary contact	Horizontal/Vertical	▶	**3SU1050-7AF88-0AA0**		1	1 unit
	Latching	Horizontal/Vertical	▶	**3SU1050-7AE88-0AA0**		1	1 unit
		With mechanical interlock, 2 switch positions					
2	Momentary contact	Horizontal	▶	**3SU1050-7BC88-0AA0**		1	1 unit
		Vertical	▶	**3SU1050-7BD88-0AA0**		1	1 unit
	Latching	Horizontal	▶	**3SU1050-7BA88-0AA0**		1	1 unit
		Vertical	▶	**3SU1050-7BB88-0AA0**		1	1 unit
		With mechanical interlock, 4 switch positions					
4	Momentary contact	Horizontal/Vertical	▶	**3SU1050-7BF88-0AA0**		1	1 unit
	Latching	Horizontal/Vertical	▶	**3SU1050-7BE88-0AA0**		1	1 unit



3SU1050-7AC88-0AA0



3SU1050-7BC88-0AA0

Selection and ordering data

Type of product	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		d				
Indicator lights						
With smooth lens	Amber	3	**3SU1051-6AA00-0AA0**		1	1 unit
	Red	▶	**3SU1051-6AA20-0AA0**		1	1 unit
	Yellow	▶	**3SU1051-6AA30-0AA0**		1	1 unit
	Green	▶	**3SU1051-6AA40-0AA0**		1	1 unit
	Blue	3	**3SU1051-6AA50-0AA0**		1	1 unit
	White	▶	**3SU1051-6AA60-0AA0**		1	1 unit
	Clear	3	**3SU1051-6AA70-0AA0**		1	1 unit

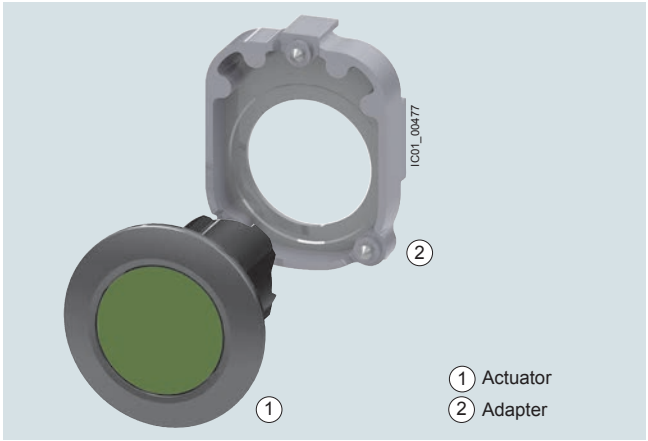


3SU1051-6AA40-0AA0

3SU1 30 mm, Round, Metal, Matte — Actuating & Signaling Elements

Pushbuttons

Overview



Actuators and indicators, flat, 30 mm, metal, matte, including adapter (adapter included in scope of supply)

Selection and ordering data

	Version	Operating principle	Unlatching method	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons									
 3SU1060-0JB50-0AA0	**Pushbuttons** with flat button	Momentary contact	--	Amber	3	**3SU1060-0JB00-0AA0**		1	1 unit
				Black	3	**3SU1060-0JB10-0AA0**		1	1 unit
				Red	3	**3SU1060-0JB20-0AA0**		1	1 unit
				Yellow	3	**3SU1060-0JB30-0AA0**		1	1 unit
				Green	3	**3SU1060-0JB40-0AA0**		1	1 unit
				Blue	3	**3SU1060-0JB50-0AA0**		1	1 unit
				White	3	**3SU1060-0JB60-0AA0**		1	1 unit
				Gray	X	**3SU1060-0JB80-0AA0**		1	10 units
 3SU1060-0JA20-0AA0		Latching	Push to unlatch	Black	5	**3SU1060-0JA10-0AA0**		1	1 unit
				Red	5	**3SU1060-0JA20-0AA0**		1	1 unit
				Yellow	5	**3SU1060-0JA30-0AA0**		1	1 unit
				Green	5	**3SU1060-0JA40-0AA0**		1	1 unit
				Blue	5	**3SU1060-0JA50-0AA0**		1	1 unit
				White	5	**3SU1060-0JA60-0AA0**		1	1 unit
 3SU1061-0JB40-0AA0	**Illuminated pushbuttons** with flat button	Momentary contact	--	Red	3	**3SU1061-0JB20-0AA0**		1	1 unit
				Yellow	3	**3SU1061-0JB30-0AA0**		1	1 unit
				Green	3	**3SU1061-0JB40-0AA0**		1	1 unit
				Blue	3	**3SU1061-0JB50-0AA0**		1	1 unit
				Clear	3	**3SU1061-0JB70-0AA0**		1	1 unit
 3SU1061-0JA30-0AA0		Latching	Push to unlatch	Red	5	**3SU1061-0JA20-0AA0**		1	1 unit
				Yellow	5	**3SU1061-0JA30-0AA0**		1	1 unit
				Green	5	**3SU1061-0JA40-0AA0**		1	1 unit
				Blue	5	**3SU1061-0JA50-0AA0**		1	1 unit
				Clear	5	**3SU1061-0JA70-0AA0**		1	1 unit

3SU1 30 mm, Round, Metal, Matte — Actuating & Signaling Elements

Selector switches

Selection and ordering data

Version	Operating principle	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches							
2 switch positions, can be illuminated							
 3SU1062-2DC40-0AA0							
Selector, short black actuator and front ring for flat mounting	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black	5	**3SU1062-2DC10-0AA0**		1	1 unit
		Red	5	**3SU1062-2DC20-0AA0**		1	1 unit
		Green	5	**3SU1062-2DC40-0AA0**		1	1 unit
		White	5	**3SU1062-2DC60-0AA0**		1	1 unit
	Latching, 90° (10:30/1:30 o'clock) 	Black	3	**3SU1062-2DF10-0AA0**		1	1 unit
		Red	5	**3SU1062-2DF20-0AA0**		1	1 unit
		Green	5	**3SU1062-2DF40-0AA0**		1	1 unit
		Blue	5	**3SU1062-2DF50-0AA0**		1	1 unit
		White	3	**3SU1062-2DF60-0AA0**		1	1 unit
 3SU1062-2EC20-0AA0							
Selector, long black actuator and front ring for flat mounting	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black	5	**3SU1062-2EC10-0AA0**		1	1 unit
		Red	5	**3SU1062-2EC20-0AA0**		1	1 unit
		Green	5	**3SU1062-2EC40-0AA0**		1	1 unit
		White	5	**3SU1062-2EC60-0AA0**		1	1 unit
	Latching, 90° (10:30/1:30 o'clock) 	Black	3	**3SU1062-2EF10-0AA0**		1	1 unit
		Red	5	**3SU1062-2EF20-0AA0**		1	1 unit
		Green	5	**3SU1062-2EF40-0AA0**		1	1 unit
		White	3	**3SU1062-2EF60-0AA0**		1	1 unit
3 switch positions (I+O+II), can be illuminated							
 3SU1062-2DL60-0AA0							
Selector, short black actuator and front ring for flat mounting	Momentary contact, 2x45° (10:30/12/ 1:30 o'clock), reset from left + right 	Black	3	**3SU1062-2DM10-0AA0**		1	1 unit
		Red	5	**3SU1062-2DM20-0AA0**		1	1 unit
		Green	5	**3SU1062-2DM40-0AA0**		1	1 unit
		White	3	**3SU1062-2DM60-0AA0**		1	1 unit
	Latching, 2x45° (10:30/12/ 1:30 o'clock) 	Black	3	**3SU1062-2DL10-0AA0**		1	1 unit
		Red	5	**3SU1062-2DL20-0AA0**		1	1 unit
		Yellow	5	**3SU1062-2DL30-0AA0**		1	1 unit
		Green	5	**3SU1062-2DL40-0AA0**		1	1 unit
		White	3	**3SU1062-2DL60-0AA0**		1	1 unit
	Momentary contact to the right, latching to the left, 2x45° (10:30/12/ 1:30 o'clock) 	Black	NEW 5	**3SU1062-2DN60-0AA0**		1	1 unit
 3SU1062-2EL20-0AA0							
Selector, long black actuator and front ring for flat mounting	Momentary contact, 2x45° (10:30/12/ 1:30 o'clock), reset from left + right 	Black	3	**3SU1062-2EM10-0AA0**		1	1 unit
		Red	5	**3SU1062-2EM20-0AA0**		1	1 unit
		Green	5	**3SU1062-2EM40-0AA0**		1	1 unit
		White	3	**3SU1062-2EM60-0AA0**		1	1 unit
	Latching, 2x45° (10:30/12/ 1:30 o'clock) 	Black	3	**3SU1062-2EL10-0AA0**		1	1 unit
		Red	5	**3SU1062-2EL20-0AA0**		1	1 unit
		Green	5	**3SU1062-2EL40-0AA0**		1	1 unit
		White	3	**3SU1062-2EL60-0AA0**		1	1 unit

3SU1 30 mm, Round, Metal, Matte — Actuating & Signaling Elements

Key-operated switches / Indicator lights

Selection and ordering data

	Make of lock	Operating principle	Switch position for key removal	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Key-operated switches									
 3SU1060-4LF11-0AA0	***2 switch positions***								
	RONIS, SB30 and front ring for flat installation	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	O	2	5	**3SU1060-4LC01-0AA0**		1	1 unit
		Latching, 90° (10:30/1:30 o'clock) 	O+I I	2 2	3 3	**3SU1060-4LF11-0AA0** **3SU1060-4LF21-0AA0**		1 1	1 unit 1 unit
 3SU1060-4LL11-0AA0	***3 switch positions***								
	RONIS, SB30 and front ring for flat installation	Latching, 2x45° (10:30/12/ 1:30 o'clock) 	I+O+II	2	5	**3SU1060-4LL11-0AA0**		1	1 unit
 3SU1060-4LL11-0AA0	***3 switch positions***								
	RONIS, SB30 and front ring for flat installation	Latching, 2x45° (10:30/12/ 1:30 o'clock) 	I+O+II	2	5	**3SU1060-4LL11-0AA0**		1	1 unit
		Momentary contact, 2x45° (10:30/12/ 1:30 o'clock) 	O	2	NEW 5	**3SU1060-4LM01-0AA0**		1	1 unit

Selection and ordering data

	Version	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Indicator lights							
 3SU1061-0JD40-0AA0	With flat lens	Red	3	**3SU1061-0JD20-0AA0**		1	1 unit
		Yellow	3	**3SU1061-0JD30-0AA0**		1	1 unit
		Green	3	**3SU1061-0JD40-0AA0**		1	1 unit
		Blue	3	**3SU1061-0JD50-0AA0**		1	1 unit
		Clear	3	**3SU1061-0JD70-0AA0**		1	1 unit

Options

Special locks for key-operated switches

The plastic and metal key-operated switches of type RONIS, BKS, CES and IKON can be optionally ordered with additional locks.

In this case **"–Z"**, the order code **"Y01"** and the required lock number must be added to the article number of the relevant key-operated switch for standard locking.

Order code	Y01
Standard delivery time	25 working days
Additional price per unit	On request
Ordering example	3SU1000–5BF01–0AA0-Z Y01 Z = SSG18

Ordering notes

- For all special locks, an additional price applies.
- The order code **"Y01"** must be quoted in accordance with the above table. Automated processing of the order with a defined delivery time can be guaranteed only for correctly submitted orders.
- For applications in which access security is important and several lock numbers are used, we recommend the use of BKS or CES key-operated switches.
- Special locks for VW (E1, E2, ...) will be delivered without keys, all others with 2 keys.
- With RONIS, the special locks SB31, 421 and 455 are possible.

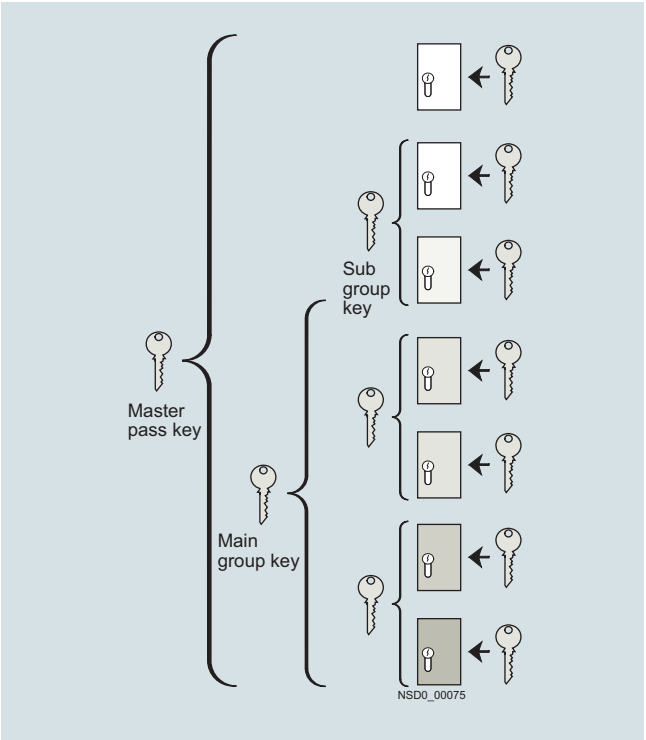
Master and master-pass key systems

The following key systems can be supplied with BKS, CES or IKON key-operated switches:

- Central lock systems
- Master key systems
- Central master key systems
- Master-pass key systems

When placing an order you must supplement the article number of the matching key-operated switches with **"–Z"** and quote the order code **"Y03"**.

Price and delivery time on request.
Email: sirius-attach.aud@siemens.com



Example of master-pass key system

Actuators and Indicators, Customized Designs

Contact Block Selection Table for Selector Switches, Key-operated Switches, and 3-position push-pull

Selection and Ordering Data

Switch Position (front of switch) Left	Right	Contact Block Circuit	Contact Block Position[1]	Contact Block Order No.

Two-Position Selector Switch Contact Block Selection

O	X	1 NO	Any Position	**3SU1400-1AA10-1BA0**
X	O	1 NC	Any Position	**3SU1400-1AA10-1CA0**
O X	X O	1 NO/1 NC	Any Position	**3SU1400-1AA10-1FA0**
O O	X X	2 NO	Any Position	**3SU1400-1AA10-1DA0**
X X	O O	2 NC	Any Position	**3SU1400-1AA10-1EA0**

Switch Position (front of switch) Left	Center	Right	Contact Block Circuit	Contact Block Position[1] On Holder	Stacked	Contact Block Order No.

Three-Position Selector Switch Contact Block Selection

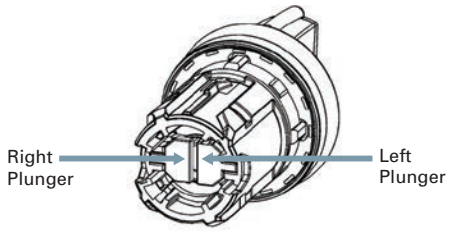
X	O	O	1 NO	2 or 3A	5 or 6A	**3SU1400-1AA10-1BA0**
X	O	X	1 NO	3	6	**3SU1400-1AA10-1BA0**
O	O	X	1 NO	1 or 3B	4 or 6B	**3SU1400-1AA10-1BA0**
O	X	X	1 NC	2 or 3A	5 or 6A	**3SU1400-1AA10-1CA0**
O	X	O	1 NC	3	6	**3SU1400-1AA10-1CA0**
X	X	O	1 NC	1 or 3B	4 or 6B	**3SU1400-1AA10-1CA0**
X O	O X	O X	1 NO/1 NC	2 or 3A	--	**3SU1400-1AA10-1FA0**
X O	O X	X O	1 NO/1 NC	3	--	**3SU1400-1AA10-1FA0**
O X	O X	X O	1 NO/1 NC	1 or 3B	--	**3SU1400-1AA10-1FA0**
X X	O O	O O	2 NO	2 or 3A	--	**3SU1400-1AA10-1DA0**
X X	O O	X X	2 NO	3	--	**3SU1400-1AA10-1DA0**
O O	O O	X X	2 NO	1 or 3B	--	**3SU1400-1AA10-1DA0**
O O	X X	X X	2 NC	2 or 3A	--	**3SU1400-1AA10-1EA0**
O O	X X	O O	2 NC	3	--	**3SU1400-1AA10-1EA0**
X X	X X	O O	2 NC	1 or 3B	--	**3SU1400-1AA10-1EA0**

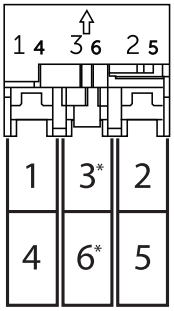
Three-Position Push-Pull Contact Block Selection

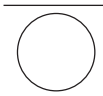
Out	Center	In				
X	O	O	1 NO	2 or 3A	5 or 6A	**3SU1400-1AA10-1BA0**
O	O	X	1 NO	1 or 3B	4 or 6B	**3SU1400-1AA10-1BA0**
X	X	O	1 NC	1 or 3B	4 or 6B	**3SU1400-1AA10-1CA0**
O	X	X	1 NC	2 or 3A	5 or 6A	**3SU1400-1AA10-1CA0**
O X	X O	X O	1 NO/1 NC	2 or 3A	--	**3SU1400-1AA10-1FA0**
X O	X O	O X	1 NO/1 NC	1 or 3B	--	**3SU1400-1AA10-1FA0**
O X	X O	O X	2 NC	3	--	**3SU1400-1AA10-1FA0**

[1] Single-element Contact Blocks are stackable (2 deep). Dual Contact Blocks are not stackable.

In order to attach a Light Module to the actuator, both plungers must be removed and Light Module placed in position #3.





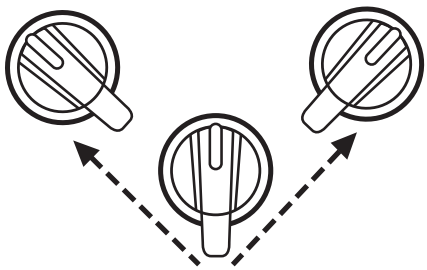
Rear View	Plungers Inserted	Center Module Position Numbers	Replace the asterisks in center position numbers 3* or 6*:
	Both	3 or 6	Contact Blocks Position Number will be (3 or 6) when "Both" plungers are installed.
	Right	3B or 6B	Contact Blocks Position Number will be (3B or 6B) when "Right" plunger only is installed.
	Left	3A or 6A	Contact Blocks Position Number will be (3A or 6A) when "Left" plunger only is installed.
	None	None	Both plungers are removed if Center Module Position 3 is used with LED Light Module

X ---------- Contact Closed
O ---------- Contact Open
3 or 6 ------ Both Plungers Inserted
3A or 6A --- Left Plunger Inserted
3B or 6B --- Right Plunger Inserted

Actuators and Indicators, Customized Designs

Contact Block Selection Table for Selector – Switches and Key-operated Switches

Function Table



Plunger Position		Selector Switch Position[1]					
		Left Position			Right Position		
Rear View	Front View	2	3	1	2	3	1
		▮	▮	□	□	▮	▮
		▮	□	□	□	▮	▮
		▮	▮	□	□	□	▮
		▮	⊗	□	□	⊗	▮

▮ Activated
□ Not Activated
⊗ LED Available
Plunger

[1] The selector switch position is viewed from the front.

All selector switches are packaged with two plungers, which can be removed manually.

Options

Inscription of actuating and signaling elements

Actuating and signaling elements of plastic as well as metal can be optionally inscribed with a laser.



Example of laser inscription

The actuators of the pushbuttons, illuminated pushbuttons, twin pushbuttons, mushroom pushbuttons, illuminated mushroom pushbuttons, EMERGENCY STOP mushroom pushbuttons (without lock), the lenses of the indicator lights, and the acoustic signaling devices can all be inscribed.

Version

Text inscriptions have centered alignment and a font height of 4 mm as standard.

The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

The maximum possible number of characters per line is:

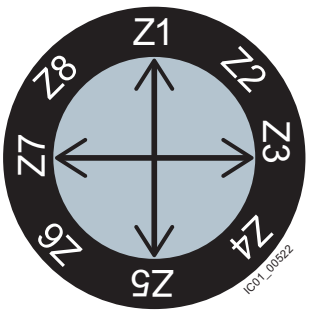
- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text, but 10 characters in the middle line

Note:

Selected pushbuttons and twin pushbuttons can be supplied as standard with inscribed letters or symbols.

Selector switches, key-operated switches and toggle switches can be inscribed on the front ring only if they are made of plastic (only one text line and the supplement Y19).

Assignment of the positions on the actuator



Ordering notes

To order, the inscribed actuating and signaling elements can be selected via the SIRIUS ACT Configurator. An electronic order form is then generated.

For configurator, see
- www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD or
- Industry Mall: www.siemens.com/industrymall

When ordering, add **–Z** and an order code to the article number of the actuator or the indicator light:

- **Y10:** Text line in upper/lower case, all lines begin with upper case letters (e.g. line 1: Text/line 2: Text)
- **Y11:** Text in upper case (e.g. LIFT)
- **Y12:** Text in lower case (e.g. lift/off/lower)
- **Y15:** Text in upper/lower case, all words begin with upper case letters (e.g. On/Off)
- **Y13:** Symbol with number according to ISO 7000 or IEC 60417
- **Y19:** Inscription of choice, text or symbol, can only be ordered via SIRIUS ACT Configurator with a Configuration Identification Number (CIN)

When ordering, specify the required inscription in plain text without spaces, in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language. In the case of symbols with number, quote the corresponding standard (see ordering example 1).

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. Z1=Lift, Z2=Lower.

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Y19). In this case a CIN (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard ordering channels.

Ordering example 1

A round pushbutton with the inscription Reset is required:

3SU1030–0AB20–0AA0-Z
Y10
Z1=Reset

Ordering example 2

A pushbutton inscribed with symbol No. 5389 according to IEC 60417 is required:

3SU1030–0AB20–0AA0-Z
Y13
Z=5389 IEC

Ordering example 3

A selector switch with 2 switch positions and multi-line inscription on the front ring is required:

3SU1002-2BF10-0AA0-Z
Z8=0
Z2=I

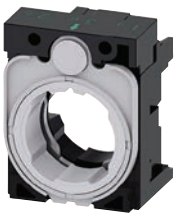
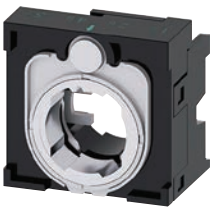
Holders

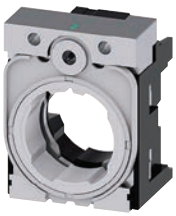
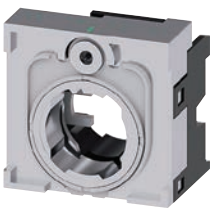
Holders without module

Overview

Holders made of plastic can only be attached to actuators and indicators made of plastic (3SU100) or plastic with metal front ring (3SU103).
Metal holders can be attached to all versions of actuators and indicators. Metal holders are automatically grounded by their fastening screw, but a grounding stud can also be fitted.

Selection and ordering data

	Version	Holder material	DT	Order No.	PU (UNIT, SET, M)	PS*
Holders without module						
 3SU1500-0AA10-0AA0	**3x without module**	Plastic	A	**3SU1500-0AA10-0AA0**	1	1 unit
 3SU1500-0BA10-0AA0	**4x without module** For selector switch with 4 switch positions and for coordinate switches	Plastic	A	**3SU1500-0BA10-0AA0**	1	1 unit

	Version	Holder material	DT	Order No.	PU (UNIT, SET, M)	PS*
Holders without module						
 3SU1550-0AA10-0AA0	**3x without module**	Metal	A	**3SU1550-0AA10-0AA0**	1	1 unit
 3SU1550-0BA10-0AA0	**4x without module** For selector switch with 4 switch positions and for coordinate switches	Metal	A	**3SU1550-0BA10-0AA0**	1	1 unit

Holders

Holders with module

Selection and ordering data

Number of Contact modules	Number of LED modules	NO contacts	NC contacts	Color of light source		SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Holders with module, plastic										
3x with module										
1	0	1	0	--		▶	**3SU1500-1AA10-1BA0**		1	1 unit
		0	1		→	▶	**3SU1500-1AA10-1CA0**		1	1 unit
		1	1		→	3	**3SU1500-1AA10-1FA0**		1	1 unit
2	0	2	0	--	→	3	**3SU1500-1AA10-1NA0**		1	1 unit
		0	2		→	3	**3SU1500-1AA10-1PA0**		1	1 unit
		2	2		→	3	**3SU1500-1AA10-1LA0**		1	1 unit
3x with contact and LED module[1] (6 ... 24 V AC/DC)										
1	1	1	0	Amber		3	**3SU1501-1AG00-1BA0**		1	1 unit
				Red		3	**3SU1501-1AG20-1BA0**		1	1 unit
				Yellow		3	**3SU1501-1AG30-1BA0**		1	1 unit
				Green		3	**3SU1501-1AG40-1BA0**		1	1 unit
				Blue		3	**3SU1501-1AG50-1BA0**		1	1 unit
				White		3	**3SU1501-1AG60-1BA0**		1	1 unit
		0	1	Amber	→	3	**3SU1501-1AG00-1CA0**		1	1 unit
				Red	→	3	**3SU1501-1AG20-1CA0**		1	1 unit
				Yellow	→	3	**3SU1501-1AG30-1CA0**		1	1 unit
				Green	→	3	**3SU1501-1AG40-1CA0**		1	1 unit
				Blue	→	3	**3SU1501-1AG50-1CA0**		1	1 unit
				White	→	3	**3SU1501-1AG60-1CA0**		1	1 unit
		1	1	Amber	→	3	**3SU1501-1AG00-1FA0**		1	1 unit
				Red	→	3	**3SU1501-1AG20-1FA0**		1	1 unit
				Yellow	→	3	**3SU1501-1AG30-1FA0**		1	1 unit
				Green	→	3	**3SU1501-1AG40-1FA0**		1	1 unit
				Blue	→	3	**3SU1501-1AG50-1FA0**		1	1 unit
				White	→	3	**3SU1501-1AG60-1FA0**		1	1 unit
2	1	2	0	Amber	→	3	**3SU1501-1AG00-1NA0**		1	1 unit
				Red	→	3	**3SU1501-1AG20-1NA0**		1	1 unit
				Yellow	→	3	**3SU1501-1AG30-1NA0**		1	1 unit
				Green	→	3	**3SU1501-1AG40-1NA0**		1	1 unit
				Blue	→	3	**3SU1501-1AG50-1NA0**		1	1 unit
				White	→	3	**3SU1501-1AG60-1NA0**		1	1 unit
		2	2	Amber	→	3	**3SU1501-1AG00-1LA0**		1	1 unit
				Red	→	3	**3SU1501-1AG20-1LA0**		1	1 unit
				Yellow	→	3	**3SU1501-1AG30-1LA0**		1	1 unit
				Green	→	3	**3SU1501-1AG40-1LA0**		1	1 unit
				Blue	→	3	**3SU1501-1AG50-1LA0**		1	1 unit
				White	→	3	**3SU1501-1AG60-1LA0**		1	1 unit



3SU1500-1AA10-1BA0



3SU1501-1AG20-1CA0



3SU1501-1AG20-1LA0

[1] Only for use with SIRIUS commanding and signaling devices.

Number of Contact modules	NO contacts	NC contacts		SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Holders with module, metal								
3x with module								
1	1	0		3	**3SU1550-1AA10-1BA0**		1	1 unit
	0	1	→	3	**3SU1550-1AA10-1CA0**		1	1 unit
	1	1	→	3	**3SU1550-1AA10-1FA0**		1	1 unit
2	2	0	→	3	**3SU1550-1AA10-1NA0**		1	1 unit
	0	2	→	3	**3SU1550-1AA10-1PA0**		1	1 unit
	2	2	→	3	**3SU1550-1AA10-1LA0**		1	1 unit



3SU1550-1AA10-1BA0

→ Positive opening according to IEC 60947-5-1, Annex K. Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

Modules for Actuators and Indicators

Contact modules

Overview

Contact modules and LED modules

The contact modules are fitted with slow-action contacts (NO contacts or NC contacts). These ensure a high switching reliability even with small voltages and currents, such as 5 V/1 mA. They are suitable for use in electronic systems as well as conventional controls. The contact pieces of the NC contacts are positively driven.

Only LED modules with permanently integrated LEDs are available for illumination.

Contact modules and LED modules bear terminal designations according to EN 50013.

Mounting the modules

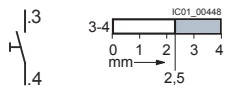
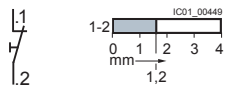
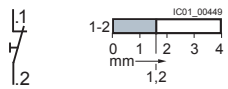
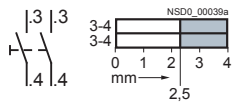
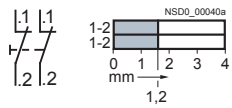
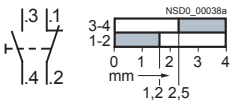
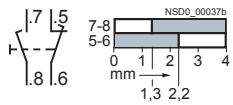
With SIRIUS ACT, the modules are mounted on the holder without any further accessories. Holders in plastic or metal versions are available for mounting three modules.

Connection methods

The modules are available with:

- Screw terminals
- Spring-type terminals or
- Solder pin connections (0.8 mm × 0.8 mm solder pins) for assembly on printed circuit boards

Selection and ordering data

Contact version	Number of NO contacts	Number of NC contacts		SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Contact modules for front plate mounting								
Silver alloy	1	0		▶	**3SU1400-1AA10-1BA0**		1	1 unit
	0	1 ⊖		▶	**3SU1400-1AA10-1CA0**		1	1 unit
	0	1 with installation monitoring[1] ⊖		▶	**3SU1400-1AA10-1HA0**		1	1 unit
	2	0		▶	**3SU1400-1AA10-1DA0**		1	1 unit
	0	2 ⊖		▶	**3SU1400-1AA10-1EA0**		1	1 unit
	1	1 ⊖		▶	**3SU1400-1AA10-1FA0**		1	1 unit
	1 leading switching	1 lagging switching ⊖		5	**3SU1400-1AA10-1GA0**		1	1 unit



3SU1400-1AA10-1BA0



3SU1400-1AA10-1HA0



3SU1400-1AA10-1FA0

[1] The contact module has 1 NO internal contact + 1 NC internal contact. The NO contact is connected in series with the NC contact and brought out at terminal 1-2. When the module is snapped onto the holder, the NO contact closes. It opens when the module is detached from the holder again (the NC contact remains closed). The NC contact opens when the EMERGENCY STOP device is actuated (the NO contact remains closed). The contact is closed only when both the NC and NO contacts are closed. Unsuitable for mounting in 3SU18 enclosure.

⊖ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

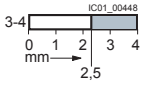
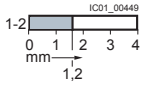
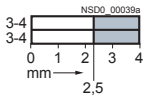
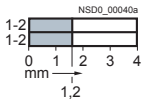
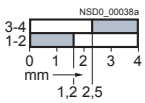
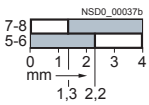
Modules for Actuators and Indicators

Contact modules

Contact modules for front plate mounting



3SU1400-1AA10-1LA0

Contact version	Number of NO contacts	Number of NC contacts			SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Gold-plated	1	0				3	**3SU1400-1AA10-1LA0**		1	1 unit
	0	1	⊖			5	**3SU1400-1AA10-1MA0**		1	1 unit
	2	0				5	**3SU1400-1AA10-1NA0**		1	1 unit
	0	2	⊖			5	**3SU1400-1AA10-1PA0**		1	1 unit
	1	1	⊖			5	**3SU1400-1AA10-1QA0**		1	1 unit
	1 leading	1 lagging	⊖			5	**3SU1400-1AA10-1RA0**		1	1 unit

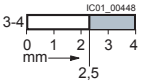
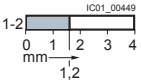
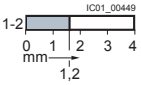
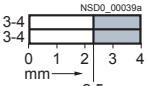
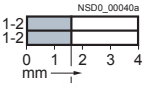
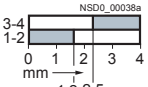
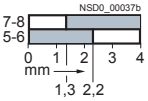
⊖Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

Modules for Actuators and Indicators

Contact modules

Contact version	Number of NO contacts	Number of NC contacts			SD d	Spring-type terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Contact modules for front plate mounting									
Silver alloy	1	0		 	▶	**3SU1400-1AA10-3BA0**		1	1 unit
	0	1	⊖	 	▶	**3SU1400-1AA10-3CA0**		1	1 unit
	0	1 with installation monitoring[1]	⊖	 	▶	**3SU1400-1AA10-3HA0**		1	1 unit
	2	0		 	▶	**3SU1400-1AA10-3DA0**		1	1 unit
	0	2	⊖	 	▶	**3SU1400-1AA10-3EA0**		1	1 unit
	1	1	⊖	 	▶	**3SU1400-1AA10-3FA0**		1	1 unit
	1 leading	1 lagging	⊖	 	5	**3SU1400-1AA10-3GA0**		1	1 unit


3SU1400-1AA10-3BA0


3SU1400-1AA10-3HA0


3SU1400-1AA10-3DA0


3SU1400-1AA10-3FA0

[1] The contact module has 1 NO internal contact + 1 NC internal contact. The NO contact is connected in series with the NC contact and brought out at terminal 1-2. When the module is snapped onto the holder, the NO contact closes. It opens when the module is detached from the holder again (the NC contact remains closed). The NC contact opens when the EMERGENCY STOP device is actuated (the NO contact remains closed). The contact is closed only when both the NC and NO contacts are closed. Not suitable for installation in 3SU18 enclosure.

⊖ Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

Modules for Actuators and Indicators

Contact modules

Contact modules for front plate mounting

Contact version	Number of NO contacts	Number of NC contacts			SD d	Spring-type terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Gold-plated	1	0	.3 .4	IC01_00448 3-4 0 1 2 3 4 mm 2,5	5	**3SU1400-1AA10-3LA0**		1	1 unit
	0	1	⊖ .1 .2	IC01_00449 1-2 0 1 2 3 4 mm 1,2	5	**3SU1400-1AA10-3MA0**		1	1 unit
	2	0	.3 .3 .4 .4	NSD0_00039a 3-4 3-4 0 1 2 3 4 mm 2,5	5	**3SU1400-1AA10-3NA0**		1	1 unit
	0	2	⊖ .1 .1 .2 .2	NSD0_00040a 1-2 1-2 0 1 2 3 4 mm 1,2	5	**3SU1400-1AA10-3PA0**		1	1 unit
	1	1	⊖ .3 .1 .4 .2	NSD0_00038a 3-4 1-2 0 1 2 3 4 mm 1,2 2,5	5	**3SU1400-1AA10-3QA0**		1	1 unit
	1 leading	1 lagging	⊖ .7 .5 .8 .6	NSD0_00037b 7-8 5-6 0 1 2 3 4 mm 1,3 2,2	5	**3SU1400-1AA10-3RA0**		1	1 unit



3SU1400-1AA10-3LA0

⊖ Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

Contact modules for mounting on printed-circuit boards NEW

Contact version	Number of NO contacts	Number of NC contacts		SD d	Socket terminals (THT) Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Silver alloy	1	0		▶	**3SU1400-3AA10-5BA0**		1	1 unit
Gold-plated	0	1	⊖	3	**3SU1400-3AA10-5CA0**		1	1 unit



3SU1400-3AA10-5BA0

⊖ Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

Modules for Actuators and Indicators

LED modules

Selection and ordering data

Operational voltage at AC V	Operational voltage at DC V	Color	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
LED modules[1] for front plate mounting							
24	24	Amber	▶	**3SU1401-1BB00-1AA0**		1	1 unit
		Red	▶	**3SU1401-1BB20-1AA0**		1	1 unit
		Yellow	▶	**3SU1401-1BB30-1AA0**		1	1 unit
		Green	▶	**3SU1401-1BB40-1AA0**		1	1 unit
		Blue	▶	**3SU1401-1BB50-1AA0**		1	1 unit
		White	▶	**3SU1401-1BB60-1AA0**		1	1 unit
110	—	Amber	5	**3SU1401-1BC00-1AA0**		1	1 unit
		Red	▶	**3SU1401-1BC20-1AA0**		1	1 unit
		Yellow	3	**3SU1401-1BC30-1AA0**		1	1 unit
		Green	▶	**3SU1401-1BC40-1AA0**		1	1 unit
		Blue	▶	**3SU1401-1BC50-1AA0**		1	1 unit
		White	▶	**3SU1401-1BC60-1AA0**		1	1 unit
230	—	Amber	5	**3SU1401-1BF00-1AA0**		1	1 unit
		Red	▶	**3SU1401-1BF20-1AA0**		1	1 unit
		Yellow	3	**3SU1401-1BF30-1AA0**		1	1 unit
		Green	▶	**3SU1401-1BF40-1AA0**		1	1 unit
		Blue	▶	**3SU1401-1BF50-1AA0**		1	1 unit
		White	▶	**3SU1401-1BF60-1AA0**		1	1 unit
				Spring-type terminals			
24	24	Amber	3	**3SU1401-1BB00-3AA0**		1	1 unit
		Red	▶	**3SU1401-1BB20-3AA0**		1	1 unit
		Yellow	3	**3SU1401-1BB30-3AA0**		1	1 unit
		Green	▶	**3SU1401-1BB40-3AA0**		1	1 unit
		Blue	▶	**3SU1401-1BB50-3AA0**		1	1 unit
		White	▶	**3SU1401-1BB60-3AA0**		1	1 unit
110	—	Amber	5	**3SU1401-1BC00-3AA0**		1	1 unit
		Red	▶	**3SU1401-1BC20-3AA0**		1	1 unit
		Yellow	5	**3SU1401-1BC30-3AA0**		1	1 unit
		Green	▶	**3SU1401-1BC40-3AA0**		1	1 unit
		Blue	▶	**3SU1401-1BC50-3AA0**		1	1 unit
		White	▶	**3SU1401-1BC60-3AA0**		1	1 unit
230	—	Amber	5	**3SU1401-1BF00-3AA0**		1	1 unit
		Red	▶	**3SU1401-1BF20-3AA0**		1	1 unit
		Yellow	5	**3SU1401-1BF30-3AA0**		1	1 unit
		Green	▶	**3SU1401-1BF40-3AA0**		1	1 unit
		Blue	▶	**3SU1401-1BF50-3AA0**		1	1 unit
		White	▶	**3SU1401-1BF60-3AA0**		1	1 unit



3SU1401-1BB30-1AA0



3SU1401-1BB30-3AA0

Operational voltage at AC V	Operational voltage at DC V	Color	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
LED modules[1] for front plate mounting with "traffic light" LED							
24	24	Red / Yellow / Green		**3SU1401-1BB24-1AA0**		1	1 unit
110	—	Red / Yellow / Green		**3SU1401-1BC24-1AA0**		1	1 unit
230	—	Red / Yellow / Green		**3SU1401-1BF24-1AA0**		1	1 unit
6-24	6-24	Red / Yellow / Green		**3SU1401-1BG24-1AA0**		1	1 unit
				Spring-type terminals			
24	24	Red / Yellow / Green		**3SU1401-1BB24-3AA0**		1	1 unit
110	—	Red / Yellow / Green		**3SU1401-1BC24-3AA0**		1	1 unit
230	—	Red / Yellow / Green		**3SU1401-1BF24-3AA0**		1	1 unit
6-24	6-24	Red / Yellow / Green		**3SU1401-1BG24-3AA0**		1	1 unit



3SU1401-1BB24-1AA0



3SU1401-1BB24-3AA0

[1] Only for use with SIRIUS commanding and signaling devices.

Modules for Actuators and Indicators

LED modules

	Operational voltage at AC	Operational voltage at DC	Color	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	V	V		d	Article No. / Price per PU		
LED modules[1] for front plate mounting							
 3SU1401-1BG30-1AA0	6 … 24	6 … 24	Amber	▶	**3SU1401-1BG00-1AA0**	1	1 unit
			Red	▶	**3SU1401-1BG20-1AA0**	1	1 unit
			Yellow	▶	**3SU1401-1BG30-1AA0**	1	1 unit
			Green	▶	**3SU1401-1BG40-1AA0**	1	1 unit
			Blue	▶	**3SU1401-1BG50-1AA0**	1	1 unit
			White	▶	**3SU1401-1BG60-1AA0**	1	1 unit
	24 … 240	24 … 240	Amber	5	**3SU1401-1BH00-1AA0**	1	1 unit
			Red	▶	**3SU1401-1BH20-1AA0**	1	1 unit
			Yellow	3	**3SU1401-1BH30-1AA0**	1	1 unit
			Green	▶	**3SU1401-1BH40-1AA0**	1	1 unit
			Blue	▶	**3SU1401-1BH50-1AA0**	1	1 unit
			White	▶	**3SU1401-1BH60-1AA0**	1	1 unit
					Spring-type terminals		
 3SU1401-1BG30-3AA0	6 … 24	6 … 24	Amber	3	**3SU1401-1BG00-3AA0**	1	1 unit
			Red	▶	**3SU1401-1BG20-3AA0**	1	1 unit
			Yellow	5	**3SU1401-1BG30-3AA0**	1	1 unit
			Green	▶	**3SU1401-1BG40-3AA0**	1	1 unit
			Blue	▶	**3SU1401-1BG50-3AA0**	1	1 unit
			White	▶	**3SU1401-1BG60-3AA0**	1	1 unit
	24 … 240	24 … 240	Amber	5	**3SU1401-1BH00-3AA0**	1	1 unit
			Red	▶	**3SU1401-1BH20-3AA0**	1	1 unit
			Yellow	5	**3SU1401-1BH30-3AA0**	1	1 unit
			Green	▶	**3SU1401-1BH40-3AA0**	1	1 unit
			Blue	▶	**3SU1401-1BH50-3AA0**	1	1 unit
			White	▶	**3SU1401-1BH60-3AA0**	1	1 unit

[1] Only for use with SIRIUS commanding and signaling devices.

	Operational voltage at AC	Operational voltage at DC	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	V	V	d	Article No. / Price per PU		
LED test modules[1] for front plate mounting						
 3SU1400-1CK10-1AA0	6 … 240	6 … 240	3	**3SU1400-1CK10-1AA0**	1	1 unit

[1] Only to be used for SIRIUS ACT LED modules (6 ... 24 V AC/DC, 24 V AC/DC, 24 ... 240 V AC/DC).

	Operational voltage at AC	Operational voltage at DC	Color	SD	Socket terminals (THT)	PU (UNIT, SET, M)	PS*
	V	V		d	Article No. / Price per PU		
LED modules[1] for mounting on printed-circuit boards							
 3SU1401-3BA20-5AA0	--	5	Amber	5	**3SU1401-3BA00-5AA0**	1	1 unit
			Red	5	**3SU1401-3BA20-5AA0**	1	1 unit
			Yellow	5	**3SU1401-3BA30-5AA0**	1	1 unit
			Green	3	**3SU1401-3BA40-5AA0**	1	1 unit
			Blue	5	**3SU1401-3BA50-5AA0**	1	1 unit
			White	3	**3SU1401-3BA60-5AA0**	1	1 unit

[1] Only for use with SIRIUS commanding and signaling devices.

Modules for Actuators and Indicators

AS-Interface modules

Selection and ordering data

	Operational voltage	Slave type	Number of digital inputs: Standard	Number of digital inputs: Safety-related	Number of digital outputs	SD	Screw terminals + Spring-type terminals: Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V					d				
AS-Interface modules for front plate mounting										
 3SU1400-1EA10-2AA0	30	2 F-DI	--	2	--	5	**3SU1400-1EA10-2AA0**		1	1 unit
		2 F-DI + 1 LED	--	2	1	5	**3SU1401-1EE20-2AA0**		1	1 unit
 3SU1400-1EC10-2AA0		2 F-DI + 1 DQ	--	2	1	5	**3SU1400-1EC10-2AA0**		1	1 unit
							Insulation piercing method			
 3SU1400-1EA10-4AA0		2 F-DI	--	2	--	5	**3SU1400-1EA10-4AA0**		1	1 unit
		2 F-DI + 1 LED	--	2	1	▶	**3SU1401-1EE20-4AA0**		1	1 unit
							Spring-type terminals + Insulation piercing method			
 3SU1400-1EC10-4AA0		2 F-DI + 1 DQ	--	2	1	5	**3SU1400-1EC10-4AA0**		1	1 unit
							Spring-type terminals (push-in)			
 3SU1400-1EJ10-6AA0	30	4 DI/3 DQ AB	4	--	3	5	**3SU1400-1EJ10-6AA0**		1	1 unit
		4 DI/4 DQ	4	--	4	5	**3SU1400-1EK10-6AA0**		1	1 unit

Modules for Actuators and Indicators

Electronic modules for IO-Link/support terminals

Selection and ordering data

	Oper-ational voltage	Slave type	Number of digital inputs	Number of digital outputs	SD	Spring-type terminals (push-in)	PU (UNIT, SET, M)	PS*
	V				d	Article No. / Price per PU		
Electronic modules for IO-Link, front panel mounting								
 3SU1400-1HL10-6AA0	24	Freely programmable (default (6 DI/2 DQ)	0 ... 8	0 ... 8	5	**3SU1400-1HL10-6AA0**	1	1 unit

Selection and ordering data

	Color	SD	Screw terminals	PU (UNIT, SET, M)	PS*
		d	Article No. / Price per PU		
Support terminals					
 3SU1400-1DA10-1AA0	Black	3	**3SU1400-1DA10-1AA0**	1	1 unit
	Blue	5	**3SU1400-1DA50-1AA0**	1	1 unit
	Green/Yellow	3	**3SU1400-1DA43-1AA0**	1	1 unit
			Spring-type terminals		
 3SU1400-1DA50-3AA0	Black	5	**3SU1400-1DA10-3AA0**	1	1 unit
	Blue	5	**3SU1400-1DA50-3AA0**	1	1 unit
	Green/Yellow	5	**3SU1400-1DA43-3AA0**	1	1 unit

Modules for Actuators and Indicators

Electronic modules for ID key-operated switches

Technical specifications

		3SU1400-1GC10-1AA0	3SU1400-1GD10-1AA0
Communication/protocol			
Protocol is supported by IO-Link protocol		No	Yes
Product function		Group ID 24 V DC	IO-Link 24 V DC
IO-Link transfer rate		--	COM2 (38.4 kBaud)
Point-to-point cycle time between the master and the IO-Link device, minimum	ms	--	10
Type of power supply via IO-Link master		--	Yes
Data volume			
• Of the address area of the inputs with cyclic transfer total	bytes	--	2
• Of the address area of the outputs with cyclic transfer total	bytes	--	0
Number of NO contacts		5	
General data			
Impulse withstand voltage, rated value	kV	0.8	
Rated insulation voltage	V	30	
Pollution degree		3	
Type of voltage			
• Of operational voltage		DC	
• Of input voltage		DC	
Operational voltage			
• At DC, rated value	V	24	
• Rated value	V	18 … 30	
Current consumed, maximum	mA	49	
Ambient temperature			
• During operation	°C	-25 … +70	
• During storage	°C	-40 … +80	
Connections			
Type of electrical connection		**Screw terminals**	
Connectable conductor cross-section for auxiliary contacts			
• Solid - With end sleeves	mm^2	1 x (0.2 … 2.5), 2 x (0.2 … 0.75)	
• Solid - Without end sleeves	mm^2	1 x (0.2 … 2.5), 2 x (0.2 … 0.75)	
• Finely stranded - With end sleeves	mm^2	1 x (0.2 … 2.5), 2 x (0.25 … 0.75)	
• Finely stranded - Without end sleeves	mm^2	1 x (0.2 … 2.5), 2 x (0.2 … 0.75)	
AWG number as coded connectable conductor cross-section		26 … 14	
Tightening torque for screw terminals	Nm	0.35 … 0.4	

Selection and ordering data

	Type of power supply via IO-Link master	Protocol is supported IO-Link protocol	Number of NO contacts	IO-Link transfer rate	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Electronic modules for ID key-operated switches[1]										
 3SU1400-1GC10-1AA0	--	No	5	--	►	**3SU1400-1GC10-1AA0**		1	1 unit	41J
 3SU1400-1GD10-1AA0	Yes	Yes	5	COM2 (38.4 kBaud)	►	**3SU1400-1GD10-1AA0**		1	1 unit	41J

[1] Only use in conjunction with plastic holder 3SU1500-0AA10-0AA0.

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Interface modules for PROFINET/terminal modules

Selection and ordering data

Supply voltage at DC	Number of interfaces according to PROFINET	Number of digital inputs		Number of digital outputs	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	SIL claim limit acc. to EN 62061	Standard	Safety-related						
V					d				
Interface modules for PROFINET									
						Screw terminals			
	Interface modules								
24	1	0	0	0	5	**3SU1400-1LK10-1AA1**		1	1 unit
	--	4	0	1	5	**3SU1400-1LK10-1BA1**		1	1 unit
						Spring-type terminals			
24	1	0	0	0	5	**3SU1400-1LK10-3AA1**		1	1 unit
	--	4	0	1	5	**3SU1400-1LK10-3BA1**		1	1 unit
						Screw terminals			
	Fail-safe interface modules								
24	1 SIL CL 3	4	0	1	5	**3SU1400-1LL10-1BA1**		1	1 unit
						Spring-type terminals			
24	1 SIL CL 3	4	0	1	5	**3SU1400-1LL10-3BA1**		1	1 unit



3SU1400-1LK10-1AA1



3SU1400-1LL10-3BA1

Selection and ordering data

Type of product	Color of light source	SD	Insulation displacement connection	PU (UNIT, SET, M)	PS*
			Article No. / Price per PU		
		d			
Terminal modules					
With 2 contacts	--	5	**3SU1400-1MA10-1BA1**	1	1 unit
With 2 contacts and integrated LED	Amber	5	**3SU1401-1MC00-1CA1**	1	1 unit
	Red	5	**3SU1401-1MC20-1CA1**	1	1 unit
	Yellow	5	**3SU1401-1MC30-1CA1**	1	1 unit
	Green	5	**3SU1401-1MC40-1CA1**	1	1 unit
	Blue	5	**3SU1401-1MC50-1CA1**	1	1 unit
	White	5	**3SU1401-1MC60-1CA1**	1	1 unit
With integrated LED	Amber	5	**3SU1401-1ME00-1DA1**	1	1 unit
	Red	5	**3SU1401-1ME20-1DA1**	1	1 unit
	Yellow	5	**3SU1401-1ME30-1DA1**	1	1 unit
	Green	5	**3SU1401-1ME40-1DA1**	1	1 unit
	Blue	5	**3SU1401-1ME50-1DA1**	1	1 unit
	White	5	**3SU1401-1ME60-1DA1**	1	1 unit



3SU1401-1ME60-1DA1

Type of product	SD	Article No. / Price per PU	PU (UNIT, SET, M)	PS*
	d			
Memory modules for 3SK2				
For backing up the complete parameterization of the 3SK2 safety system without a PC/PG through the system interface	2	**3RK3931-0AA00**	1	1 unit



3RK3931-0AA00

Flat ribbon cable, see page 10/165. onwards.

LED modules for mounting on printed-circuit boards, see page 10/117 onwards.

Enclosures

General data

Overview

Design



Enclosures with standard fittings

Enclosed SIRIUS ACT pushbuttons and indicator lights are used as hand-operated control devices for separately allocated control units and cabinets. The devices are suitable for use in any climate and all have IP66, IP67, IP69 (IP69K) degree of protection, including those with cable glands.

Standards

IEC/EN 60947-5-1

Versions

The enclosed pushbuttons and indicator lights are available with conventional controls as well as for connection to AS-Interface. The following versions are available:

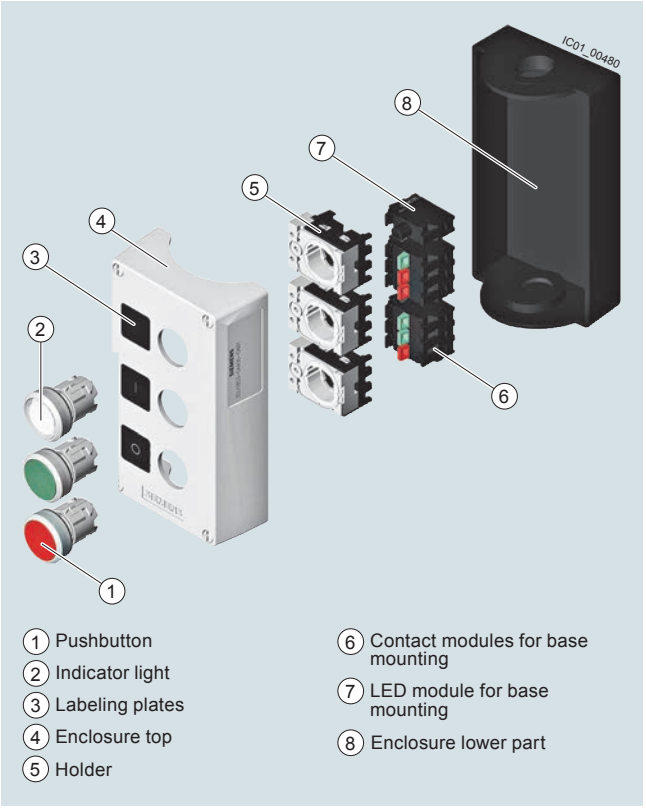
- Empty enclosures with between 1 and 6 command points (the installed components must be ordered separately; modules for base mounting or 1-pole contact and LED modules can be used)
- Enclosures with standard fittings with 1 to 3 command points, e.g. EMERGENCY STOP enclosure with EMERGENCY STOP mushroom pushbutton
- Enclosures with customized fittings with 1 to 6 command points
- Special enclosure for 4-position selector switches, coordinate switches, ID key-operated switches and sensor switches

Color of the enclosures

Top:
- Gray, RAL 7035
- Yellow, RAL 1004 for EMERGENCY STOP

Base:
- Black, RAL 9005

Enclosures with standard fittings



Pushbuttons and indicator lights in the enclosure

Customized enclosures

The fittings and labeling of the command point can be chosen using the Configurator on the Internet. The prices depend on the equipment selected, see www.siemens.com/sirius-act/configurator.

Application

The enclosures are climate-proof (KTW 24) according to EN ISO 6270-2 and suitable for stationary use, and for use in marine applications.

Enclosures

Empty enclosures

Selection and ordering data

Color of enclosure top	Number of command points	Enclosure version	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Enclosures for surface mounting							
Plastic							
Yellow	1	Center command point	▶	**3SU1801-0AA00-0AA2**		1	1 unit
		With protective collar	▶	**3SU1801-0AA00-0AC2**		1	1 unit
		With recess for labeling plate	▶	**3SU1801-0AA00-0AB2**		1	1 unit
	2	With recess for labeling plate	▶	**3SU1802-0AA00-0AB2**		1	1 unit
Gray	1	With recess for labeling plate	▶	**3SU1801-0AA00-0AB1**		1	1 unit
	2	With recess for labeling plate	▶	**3SU1802-0AA00-0AB1**		1	1 unit
	3	With recess for labeling plate	▶	**3SU1803-0AA00-0AB1**		1	1 unit
	4	With recess for labeling plate	▶	**3SU1804-0AA00-0AB1**		1	1 unit
	6	With recess for labeling plate	▶	**3SU1806-0AA00-0AB1**		1	1 unit
Metal [1]							
Yellow	1	Center command point	▶	**3SU1851-0AA00-0AA2**		1	1 unit
		With protective collar	3	**3SU1851-0AA00-0AC2**		1	1 unit
		With recess for labeling plate	▶	**3SU1851-0AA00-0AB2**		1	1 unit
		With protective collar for 5 padlocks, mushroom 40 mm	3	**3SU1851-0AA00-0AF2**		1	1 unit
		With protective collar for 5 padlocks, mushroom 40 mm with key-operated release	3	**3SU1851-0AA00-0AG2**		1	1 unit
		With protective collar for 5 padlocks, mushroom 60 mm	3	**3SU1851-0AA00-0AH2**		1	1 unit
	1	With protective collar for 5 padlocks, mushroom 60 mm	NEW 5	**3SU1851-0AA00-0AJ2**		1	1 unit
Gray	1	With protective collar for 5 padlocks, mushroom 60 mm	3	**3SU1851-0AA00-0AH1**		1	1 unit
	1	With protective collar for 5 padlocks, mushroom 60 mm	NEW 5	**3SU1851-0AA00-0AJ1**		1	1 unit
		With recess for labeling plate	▶	**3SU1851-0AA00-0AB1**		1	1 unit
		With protective collar	5	**3SU1851-0AA00-0AC1**		1	1 unit
	2	With recess for labeling plate	▶	**3SU1852-0AA00-0AB1**		1	1 unit
	3	With recess for labeling plate	▶	**3SU1853-0AA00-0AB1**		1	1 unit
	4	With recess for labeling plate	▶	**3SU1854-0AA00-0AB1**		1	1 unit
	6	With recess for labeling plate	▶	**3SU1856-0AA00-0AB1**		1	1 unit
Enclosure for 4-position selector switches, coordinate switches, ID key-operated switches and sensor switches							
Plastic, front plate mounting							
Gray	1	Center command point	3	**3SU1801-1AA00-1AA1**		1	1 unit
Metal, front plate mounting							
Gray	1	Center command point	5	**3SU1851-1AA00-1AA1**		1	1 unit


3SU1801-0AA00-0AA2


3SU1802-0AA00-0AB1


3SU1851-0AA00-0AC2


3SU1851-0AA00-0AH1


3SU1853-0AA00-0AB1


3SU1854-0AA00-0AB1


3SU1801-1AA00-1AA1

[1] Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
> 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
> 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure

Overview

Pushbuttons and indicator lights in the enclosure (standard fittings) are available with:

- 1 to 3 command points (equipped, for example, with A, B, C, in each case from bottom to top)
- Operational voltage up to 400 V
- Vertical mounting type
- Plastic enclosures are equipped with plastic actuators and indicators, metal enclosures are equipped with metal actuators and indicators
- Contact modules and LED modules for base mounting (are snapped into the enclosure base); screw terminals as standard; some versions also with spring-type terminals

Palm pushbuttons

Palm pushbuttons have a particularly large button surface. This means that they can be actuated quickly and easily with the hand, arm or foot.

Selection and ordering data

Color of enclosure top	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element Marking	Number of NC contacts	Number of NO contacts	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Enclosures with standard fittings										
							Screw terminals			
		Plastic								
Yellow	1	Center command point A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red	1	0	▶	**3SU1801-0NA00-2AA2**		1	1 unit
				2	0	NEW 5	**3SU1801-0NB00-2AA2**		1	1 unit
				1	1	NEW X	**3SU1801-0NP00-2AA2**		1	1 unit
		Center command point A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, with RONIS SB30 lock with key-operated release	Red	1	1	NEW X	**3SU1801-0NN00-2AA2**		1	1 unit
		With protective collar A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red A = I	1	0	▶	**3SU1801-0NA00-2AC2**		1	1 unit
				2	0	▶	**3SU1801-0NB00-2AC2**		1	1 unit
	2	With recess for labeling plate A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch B = Indicator light 24 V AC/DC	A = Red B = Red A = Emergency Stop B = "without inscription"	1	1	NEW 5	**3SU1802-0NA00-2AB2**		1	1 unit
			A = Red B = Red A = "Without inscription" B = "Without inscription"	2	1	NEW 3	**3SU1802-0NB00-2AB2**		1	1 unit
	1	Center command point A = EMERGENCY STOP palm pushbuttons with positive latching acc. to ISO 13850, pull to unlatch	Red	1	1	3	**3SU1801-2NG00-2AA2**		1	1 unit
							Spring-type terminals			
		With recess for labeling plate A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red A = I	2	1	5	**3SU1801-0NE00-4AB2**		1	1 unit



3SU1801-0NA00-2AA2



3SU1801-0NA00-2AC2



3SU1802-0NA00-2AB2



3SU1801-2NG00-2AA2

Enclosures

Pushbuttons and indicator lights in the enclosure

Color of enclosure top	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element Marking		Number of NC contacts	Number of NO contacts	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Enclosures with standard fittings											
								Screw terminals			
		Plastic									
Gray	1	With recess for labeling plate A = Pushbutton	Green Red White Black	A = I A = O A = I A = O	0 1 0 1	1 0 1 0	3 ▶ 5 5	**3SU1801-0AB00-2AB1** **3SU1801-0AC00-2AB1** **3SU1801-0AD00-2AB1** **3SU1801-0AE00-2AB1**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
								Spring-type terminals			
		With recess for labeling plate A = Selector switch	Black		0 0	2 1	NEW 5 NEW 5	**3SU1801-0BA00-4AB1** **3SU1801-0BE00-4AB1**		1 1	1 unit 1 unit
		With recess for labeling plate A = Pushbutton	Green	A = I	1 0	0 1	NEW 5 NEW 5	**3SU1801-0BC00-4AB1** **3SU1801-0BD00-4AB1**		1 1	1 unit 1 unit
								Screw terminals			
	2	With recess for labeling plate A = Pushbutton/ B = Pushbutton	A = Red/ B = Green A = O/ B = I		1	1	3	**3SU1802-0AB00-2AB1**		1	1 unit
			A = Black/ B = Black A = O/ B = I		1	1	5	**3SU1802-0AC00-2AB1**		1	1 unit
	3	With recess for labeling plate A = Pushbutton/ B = Pushbutton/ C = Indicator light	A = Red/ B = Green/ C = Clear A = O/ B = I/ C = "Without inscription"		1	1	▶	**3SU1803-0AB00-2AB1**		1	1 unit
			A = Black/ B = White/ C = Clear A = O/ B = I/ C = "Without inscription"		1	1	5	**3SU1803-0AC00-2AB1**		1	1 unit
		With recess for labeling plate A = Pushbutton/ B = Pushbutton/ C = Pushbutton	A = Red/ B = Black/ C = Black A = O/ B = I/ C = II		1	2	5	**3SU1803-0AD00-2AB1**		1	1 unit
	1	Center command point A = Palm pushbutton, momentary-contact type	Black		0	1	3	**3SU1801-2GA00-2AA1**		1	1 unit


3SU1801-0AB00-2AB1


3SU1802-0AB00-2AB1


3SU1803-0AB00-2AB1


3SU1801-2GA00-2AA1

Enclosures

Pushbuttons and indicator lights in the enclosure

	Color of enclosure	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element	Marking	Number of NC contacts	Number of NO contacts		Article No.	Price per PU
Enclosures with standard fittings										
									Screw terminals	
	Plastic									
 3SU1801-0AT00-2AB1	Gray	1	With recess for labeling plate A = Pushbutton, Flush, Momentary Action	Green	A = Start	1	1	NEW	**3SU1801-0AT00-2AB1**	
 3SU1801-0AS00-2AB1			With recess for labeling plate A = Mushroom Pushbutton, 40mm Momentary Action	Red	A = Stop	1	1	NEW	**3SU1801-0AS00-2AB1**	
 3SU1801-0AQ00-2AB1			With recess for labeling plate A = Selector Switch, 3 Switch Position I-O-II, Maintained	White	A = Hand / Off / Auto	0	2	NEW	**3SU1801-0AQ00-2AB1**	
 3SU1801-0AR00-2AB1			With recess for labeling plate A = Selector Switch, 2 Switch Position O-I, Maintained	White	A = On / Off	0	2	NEW	**3SU1801-0AR00-2AB1**	

Enclosures

Pushbuttons and indicator lights in the enclosure

Color of enclosure	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element	Marking	Number of NC contacts	Number of NO contacts		Article No.	Price per PU
Enclosures with standard fittings									
								Screw terminals	
Plastic									
Gray	2	With recess for labeling plate A = Pushbutton, Flush B = Pushbutton, Flush	A = Red B = Green	A = Stop B = Start	1 0	0 1	NEW	**3SU1802-0AL00-2AB1**	
			A = Black B = Green	A = Down B = Up	0 0	1 1	NEW	**3SU1802-0AM00-2AB1**	
			A = Black B = Green	A = Close B = Open	0 0	1 1	NEW	**3SU1802-0AQ00-2AB1**	
			A = Black B = Green	A = Reverse B = Forward	0 0	1 1	NEW	**3SU1802-0AR00-2AB1**	
 3SU1802-0AL00-2AB1									
		With recess for labeling plate A = Pushbutton, Raised B = Pushbutton, Flush	A = Red B = Green	A = Stop B = Start	1 0	0 1	NEW	**3SU1802-0AP00-2AB1**	
 3SU1802-0AP00-2AB1									
		With recess for labeling plate A = Mushroom Pushbutton, 40mm Momentary B = Pushbutton, Flush	A = Red B = Green	A = Stop B = Start	1 0	0 1	NEW	**3SU1802-0AN00-2AB1**	
 3SU1802-0AN00-2AB1									
Plastic									
Gray	3	With recess for labeling plate A = Pushbutton, Flush B = Pushbutton, Flush C = Pushbutton, Flush	A = Red B = Black C = Green	A = Stop B = Close C = Open	1 1 1	1 1 1	NEW	**3SU1803-0AR00-2AB1**	
			A = Red B = Black C = Green	A = Stop B = Down C = Up	1 1 1	1 1 1	NEW	**3SU1803-0AS00-2AB1**	
			A = Red B = Black C = Green	A = Stop B = Reverse C = Forward	1 1 1	1 1 1	NEW	**3SU1803-0AT00-2AB1**	
 3SU1803-0AR00-2AB1									

Enclosures

Pushbuttons and indicator lights in the enclosure

Enclosures with standard fittings

	Color of enclosure top	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element Marking	Number of NC contacts	Number of NO contacts	SD d	Article No. Screw terminals	Price per PU	PU (UNIT, SET, M)	PS*
 3SU1851-0NA00-2AA2	***Metal*** [1]										
	Yellow	1	Center command point A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red	1 2	0 0	3 5	**3SU1851-0NA00-2AA2** **3SU1851-0NB00-2AA2**		1 1	1 unit 1 unit
 3SU1851-0NA00-2AC2			With protective collar A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red	1 2 2 2	0 0 0 1	▶ 3 3 NEW 5 5	**3SU1851-0NA00-2AC2** **3SU1851-0NB00-2AC2** **3SU1851-0NC00-2AC2** **3SU1851-0ND00-2AC2**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
 3SU1851-2NG00-2AA2		1	Center command point A = EMERGENCY STOP palm pushbuttons with positive latching acc. to ISO 13850 Pull to unlatch	Red	1	1	3	**3SU1851-2NG00-2AA2**		1	1 unit
 3SU1851-0AC00-2AB1	Gray	1	With recess for labeling plate A = Pushbutton	Green A = I Red A = O White A = I Black A = O	0 1 0 1	1 0 1 0	5 5 5 5	**3SU1851-0AB00-2AB1** **3SU1851-0AC00-2AB1** **3SU1851-0AD00-2AB1** **3SU1851-0AE00-2AB1**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
 3SU1852-0AB00-2AB1		2	With recess for labeling plate A = Pushbutton/ B = Pushbutton	A = Red/ B = Green A = O/ B = I	1	1	5	**3SU1852-0AB00-2AB1**		1	1 unit
				A = Black/ B = White A = O/ B = I	1	1	5	**3SU1852-0AC00-2AB1**		1	1 unit
 3SU1853-0AB00-2AB1		3	With recess for labeling plate A = Pushbutton/ B = Pushbutton/ C = Indicator light	A = Red/ B = Green/ C = Clear A = O/ B = I/ C = "Without inscription"	1	1	5	**3SU1853-0AB00-2AB1**		1	1 unit
			With recess for labeling plate A = Pushbutton/ B = Pushbutton/ C = Pushbutton	A = Red/ B = Black/ C = Black A = O/ B = I/ C = II	1	2	5	**3SU1853-0AD00-2AB1**		1	1 unit
 3SU1851-2GA00-2AA1		1	Center command point A = Palm pushbutton, momentary-contact type	Black	0	1	3	**3SU1851-2GA00-2AA1**		1	1 unit

[1] Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
> 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
> 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure

Number of command points	Product function/ EMERGENCY STOP function	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		d				
Customized enclosures [1]						
	Plastic					
1	No		**3SU1801-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1801-0NZ00 K0Y**		1	1 unit
2	No		**3SU1802-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1802-0NZ00 K0Y**		1	1 unit
3	No		**3SU1803-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1803-0NZ00 K0Y**		1	1 unit
4	No		**3SU1804-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1804-0NZ00 K0Y**		1	1 unit
6	No		**3SU1806-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1806-0NZ00 K0Y**		1	1 unit
	Metal [2]					
1	No		**3SU1851-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1851-0NZ00 K0Y**		1	1 unit
2	No		**3SU1852-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1852-0NZ00 K0Y**		1	1 unit
3	No		**3SU1853-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1853-0NZ00 K0Y**		1	1 unit
4	No		**3SU1854-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1854-0NZ00 K0Y**		1	1 unit
6	No		**3SU1856-0AZ00 K0Y**		1	1 unit
	Yes		**3SU1856-0NZ00 K0Y**		1	1 unit



3SU1801-0AZ00 K0Y



3SU1851-0AZ00 K0Y

[1] The fittings and labeling of the command point can be chosen using the Configurator on the Internet. The prices depend on the equipment selected. When ordering, always add the article number and the code K0Y and the CIN number from the Configurator.
Ordering example:
3SU1801-0AZ00 K0Y, CIN20150609140858154554,
see www.siemens.com/sirius-act/configurator.

[2] Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
> 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
> 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure for AS-Interface

Overview

With AS-Interface enclosures, distributed SIRIUS ACT pushbuttons and indicator lights can be quickly connected to the AS-Interface communication system.
Using suitable components you can make your own enclosures with integrated AS-Interface or flexibly modify existing enclosures.



Enclosures for AS-Interface

Enclosures

Color of enclosure top:

- Gray, RAL 7035
- Yellow, RAL 1004 for EMERGENCY STOP

Color of enclosure base:

- Black, RAL 9005

Equipping with AS-Interface slaves

The following slaves are available for connecting the command points:

- Slave in A/B technology with 4 digital inputs and 3 digital outputs (4 DI/3 DQ)
- Slave with 4 digital inputs and 4 digital outputs (4 DI/4 DQ)
- F slave with 2 safe inputs for EMERGENCY STOP mushroom pushbutton (2 F-DI), also with integrated red LED for the illuminated EMERGENCY STOP mushroom pushbutton.

The following table shows the maximum number of slaves possible:

Number of command points	Number of slaves for enclosures without EMERGENCY STOP	Number of slaves for enclosures with EMERGENCY STOP
1	--	1 x F slave 2 F-DI
2	1 x slave 4 DI/4 DQ or 4 DI/3 DQ	--
3	1 x slave 4 DI/4 DQ or 4 DI/3 DQ	1 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave
4	2 x slave 4 DI/4 DQ or 4 DI/3 DQ	2 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave
6	2 x slave 4 DI/4 DQ or 4 DI/3 DQ	2 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave

Connection

One set of links is required in each case to connect a slave to contact modules, LED modules, and the connection element.

The connection elements are mounted in the front-end cable glands and are used to connect the AS-Interface or bring unused inputs or outputs out of the enclosure.

For connection to AS-Interface, the following options are available:

- Terminal for shaped AS-Interface cable. The cable is contacted by the insulation piercing method and routed past the enclosure on the outside (possible only with plastic enclosure).
- Cable gland for the shaped AS-Interface cable or round cable. The cable is routed into the enclosure (preferable for metal enclosure).
- Connection using M12 plug.

If less than all inputs/outputs of the installed slaves in an enclosure are used for connecting the command devices, free inputs and outputs can be routed on request to the outside through an M12 socket on the top or bottom side of the enclosure.

To supply inputs with power, the S+ connection of the slave must be assigned to the socket, for outputs the OUT– connection must be assigned. Addressing is performed using the AS-Interface connections or the integrated addressing socket. An external power supply is not required.

Enclosures with standard fittings

Enclosures with standard fittings are available with:

- 1 to 3 command points
- Operational voltage through AS-Interface (approx. 30 V)
- Vertical mounting type
- Plastic enclosures are equipped with plastic actuators and indicators, metal enclosures are equipped with metal actuators and indicators

The enclosures without EMERGENCY STOP each have one module with 4I/3O; the enclosures with EMERGENCY STOP mushroom pushbuttons have a safe AS-Interface slave integrated in the enclosure. Enclosures with EMERGENCY STOP mushroom pushbuttons are fitted with two NC contact modules, which are wired to the safe F slave.

The contact modules and LED modules (with spring-type terminals) of the command devices and the AS-Interface slaves are mounted in the base of the enclosure and connected using cables. The plastic enclosures are designed with a connection for the AS-Interface flat cable (the cable is run along the outside of the enclosure). For metal enclosures, the AS-Interface cable is run inside the enclosure.

The enclosures with EMERGENCY STOP mushroom pushbuttons are also available with an M12 connector.

Customized enclosures (selection by configurator)

To order customized 3SU18 AS-Interface enclosures with pushbuttons and indicator lights, the configurator must be used to select the fittings.
An electronic order form will be generated for the options.

For the Configurator, see www.siemens.com/sirius-act/configurator.

Enclosures

Pushbuttons and indicator lights in the enclosure for AS-Interface

Selection and ordering data

	Color of enclosure top	Number of command points	Enclosure version Command point fittings	Color Marking	SD d	Insulation piercing method Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Enclosures with standard fittings									
	Plastic								
 3SU1801-0NB10-4HB2	Yellow	1	With recess for labeling plate A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red	5	**3SU1801-0NB10-4HB2**		1	1 unit
 3SU1801-0NB10-4HC2			With protective collar A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red NEW A = I	3	**3SU1801-0NB10-4HC2**		1	1 unit
 3SU1802-0AB10-4HB1	Gray	2	With recess for labeling plate A = Pushbutton/ B = Pushbutton	A = Red/ B = Green A = O/ B = I	5	**3SU1802-0AB10-4HB1**		1	1 unit
				A = Black/ B = White A = O/ B = I	5	**3SU1802-0AC10-4HB1**		1	1 unit
 3SU1803-0AB10-4HB1		3	With recess for labeling plate A = Pushbutton/ B = Pushbutton/ C = Indicator light	A = Red/ B = Green/ C = Clear A = O/ B = I/ C = "Without inscription"	5	**3SU1803-0AB10-4HB1**		1	1 unit
	Metal [1]								
 3SU1851-0NB10-4GB2	Yellow	1	With recess for labeling plate A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red NEW A = I	5	**3SU1851-0NB10-4GB2**		1	1 unit
 3SU1851-0NB10-4GC2			With protective collar A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red NEW A = I	5	**3SU1851-0NB10-4GC2**		1	1 unit

[1] Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
> 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
> 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure for AS-Interface

Customized enclosures for AS-Interface[1)]



3SU1801-0NZ10 K0Y



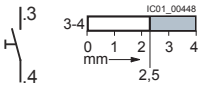
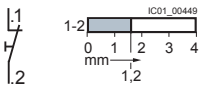
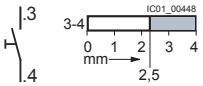
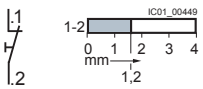
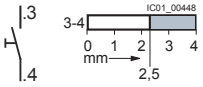
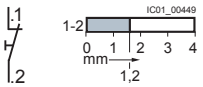
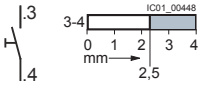
3SU1851-0NZ10 K0Y

Number of command points	Product function/ EMERGENCY STOP function	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Plastic						
1	Yes		**3SU1801-0NZ10 K0Y**		1	1 unit
2	No		**3SU1802-0AZ10 K0Y**		1	1 unit
	No		**3SU1802-0NZ10 K0Y**		1	1 unit
3	No		**3SU1803-0AZ10 K0Y**		1	1 unit
	Yes		**3SU1803-0NZ10 K0Y**		1	1 unit
4	No		**3SU1804-0AZ10 K0Y**		1	1 unit
	Yes		**3SU1804-0NZ10 K0Y**		1	1 unit
6	No		**3SU1806-0AZ10 K0Y**		1	1 unit
	Yes		**3SU1806-0NZ10 K0Y**		1	1 unit
Metal [2)]						
1	Yes		**3SU1851-0NZ10 K0Y**		1	1 unit
2	No		**3SU1852-0AZ10 K0Y**		1	1 unit
	No		**3SU1852-0NZ10 K0Y**		1	1 unit
3	No		**3SU1853-0AZ10 K0Y**		1	1 unit
	Yes		**3SU1853-0NZ10 K0Y**		1	1 unit
4	No		**3SU1854-0AZ10 K0Y**		1	1 unit
	Yes		**3SU1854-0NZ10 K0Y**		1	1 unit
6	No		**3SU1856-0AZ10 K0Y**		1	1 unit
	Yes		**3SU1856-0NZ10 K0Y**		1	1 unit

1) The fittings and labeling of the command point can be chosen using the Configurator on the Internet. The prices depend on the equipment selected, see www.siemens.com/sirius-act/configurator.

2) Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
> 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
> 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Selection and ordering data

	Contact version	Number of NO contacts	Number of NC contacts			SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
						d				
Contact modules for base mounting										
 3SU1400-2AA10-1BA0	Silver alloy	1	0			▶	**3SU1400-2AA10-1BA0**		1	1 unit
		0	1	⊖		▶	**3SU1400-2AA10-1CA0**		1	1 unit
 3SU1400-2AA10-1LA0	Gold-plated	1	0			5	**3SU1400-2AA10-1LA0**		1	1 unit
		0	1	⊖		5	**3SU1400-2AA10-1MA0**		1	1 unit
							Spring-type terminals			
 3SU1400-2AA10-3BA0	Silver alloy	1	0			▶	**3SU1400-2AA10-3BA0**		1	1 unit
		0	1	⊖		▶	**3SU1400-2AA10-3CA0**		1	1 unit
 3SU1400-2AA10-3LA0	Gold-plated	1	0			5	**3SU1400-2AA10-3LA0**		1	1 unit

⊖ Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:

Enclosures

Modules for enclosures

LED modules[1] for base mounting



3SU1401-2BB60-1AA0

Operational voltage at AC V	Operational voltage at DC V	Color	SD d	Screw terminals Article No.	PU (UNIT, SET, M)	PS* Price per PU
24	24	Amber	3	**3SU1401-2BB00-1AA0**	1	1 unit
		Red	3	**3SU1401-2BB20-1AA0**	1	1 unit
		Yellow	3	**3SU1401-2BB30-1AA0**	1	1 unit
		Green	3	**3SU1401-2BB40-1AA0**	1	1 unit
		Blue	▶	**3SU1401-2BB50-1AA0**	1	1 unit
		White	3	**3SU1401-2BB60-1AA0**	1	1 unit
110	--	Amber	5	**3SU1401-2BC00-1AA0**	1	1 unit
		Red	▶	**3SU1401-2BC20-1AA0**	1	1 unit
		Yellow	5	**3SU1401-2BC30-1AA0**	1	1 unit
		Green	▶	**3SU1401-2BC40-1AA0**	1	1 unit
		Blue	▶	**3SU1401-2BC50-1AA0**	1	1 unit
		White	▶	**3SU1401-2BC60-1AA0**	1	1 unit
230	--	Amber	5	**3SU1401-2BF00-1AA0**	1	1 unit
		Red	▶	**3SU1401-2BF20-1AA0**	1	1 unit
		Yellow	5	**3SU1401-2BF30-1AA0**	1	1 unit
		Green	▶	**3SU1401-2BF40-1AA0**	1	1 unit
		Blue	▶	**3SU1401-2BF50-1AA0**	1	1 unit
		White	▶	**3SU1401-2BF60-1AA0**	1	1 unit

[1] Only for use with SIRIUS commanding and signaling devices.

LED modules[1] for base mounting



3SU1401-2BB20-3AA0

Operational voltage at AC V	Operational voltage at DC V	Color	SD d	Spring-type terminals Article No.	PU (UNIT, SET, M)	PS* Price per PU
24	24	Amber	5	**3SU1401-2BB00-3AA0**	1	1 unit
		Red	▶	**3SU1401-2BB20-3AA0**	1	1 unit
		Yellow	5	**3SU1401-2BB30-3AA0**	1	1 unit
		Green	▶	**3SU1401-2BB40-3AA0**	1	1 unit
		Blue	▶	**3SU1401-2BB50-3AA0**	1	1 unit
		White	▶	**3SU1401-2BB60-3AA0**	1	1 unit
110	--	Amber	5	**3SU1401-2BC00-3AA0**	1	1 unit
		Red	▶	**3SU1401-2BC20-3AA0**	1	1 unit
		Yellow	5	**3SU1401-2BC30-3AA0**	1	1 unit
		Green	▶	**3SU1401-2BC40-3AA0**	1	1 unit
		Blue	▶	**3SU1401-2BC50-3AA0**	1	1 unit
		White	▶	**3SU1401-2BC60-3AA0**	1	1 unit
230	--	Amber	5	**3SU1401-2BF00-3AA0**	1	1 unit
		Red	▶	**3SU1401-2BF20-3AA0**	1	1 unit
		Yellow	5	**3SU1401-2BF30-3AA0**	1	1 unit
		Green	▶	**3SU1401-2BF40-3AA0**	1	1 unit
		Blue	▶	**3SU1401-2BF50-3AA0**	1	1 unit
		White	▶	**3SU1401-2BF60-3AA0**	1	1 unit

[1] Only for use with SIRIUS commanding and signaling devices.

Enclosures

Modules for enclosures

LED modules[1] for base mounting · wide voltage range

Operational voltage at AC	Operational voltage at DC	Color	SD	Screw terminals	PU (UNIT, SET, M)	PS*
V	V		d	Article No.		
6 … 24	6 … 24	Amber	3	**3SU1401-2BG00-1AA0**	1	1 unit
		Red	▶	**3SU1401-2BG20-1AA0**	1	1 unit
		Yellow	5	**3SU1401-2BG30-1AA0**	1	1 unit
		Green	▶	**3SU1401-2BG40-1AA0**	1	1 unit
		Blue	▶	**3SU1401-2BG50-1AA0**	1	1 unit
		White	▶	**3SU1401-2BG60-1AA0**	1	1 unit
24 … 240	24 … 240	Amber	5	**3SU1401-2BH00-1AA0**	1	1 unit
		Red	▶	**3SU1401-2BH20-1AA0**	1	1 unit
		Yellow	5	**3SU1401-2BH30-1AA0**	1	1 unit
		Green	▶	**3SU1401-2BH40-1AA0**	1	1 unit
		Blue	▶	**3SU1401-2BH50-1AA0**	1	1 unit
		White	▶	**3SU1401-2BH60-1AA0**	1	1 unit
				Spring-type terminals		
6 … 24	6 … 24	Amber	5	**3SU1401-2BG00-3AA0**	1	1 unit
		Red	▶	**3SU1401-2BG20-3AA0**	1	1 unit
		Yellow	5	**3SU1401-2BG30-3AA0**	1	1 unit
		Green	▶	**3SU1401-2BG40-3AA0**	1	1 unit
		Blue	▶	**3SU1401-2BG50-3AA0**	1	1 unit
		White	▶	**3SU1401-2BG60-3AA0**	1	1 unit
24 … 240	24 … 240	Amber	5	**3SU1401-2BH00-3AA0**	1	1 unit
		Red	▶	**3SU1401-2BH20-3AA0**	1	1 unit
		Yellow	5	**3SU1401-2BH30-3AA0**	1	1 unit
		Green	▶	**3SU1401-2BH40-3AA0**	1	1 unit
		Blue	▶	**3SU1401-2BH50-3AA0**	1	1 unit
		White	▶	**3SU1401-2BH60-3AA0**	1	1 unit



3SU1401-2BG60-1AA0



3SU1401-2BG20-3AA0

[1] Only for use with SIRIUS commanding and signaling devices.

LED test modules[1] for base mounting

Operational voltage at AC	Operational voltage at DC	SD	Screw terminals	PU (UNIT, SET, M)	PS*
V	V	d	Article No.		
6 … 240	6 … 240	▶	**3SU1400-2CK10-1AA0**	1	1 unit


3SU1400-2CK10-1AA0

[1] Only to be used for SIRIUS ACT LED modules (6 ... 24 V AC/DC, 24 V AC/DC, 24 ... 240 V AC/DC).

Enclosures

Modules for enclosures

AS-Interface modules, base mounting

Operational voltage	Slave type	Number of digital inputs: Standard	Number of digital inputs: Safety-related	Number of digital outputs	SD	Spring-type terminals (push-in) Article No.	Price per PU	PU (UNIT, SET, M)	PS*
V					d				
30	4 DI/3 DQ AB	4	0	3	5	**3SU1400-2EJ10-6AA0**		1	1 unit
	4 DI/4 DQ	4	0	4	▶	**3SU1400-2EK10-6AA0**		1	1 unit
	2 F-DI	0	2	0	5	**3SU1400-2EA10-6AA0**		1	1 unit
	2 F-DI + 1 LED	0	2	1 For controlling the LEDs	5	**3SU1401-2EE20-6AA0**		1	1 unit



3SU1400-2EJ10-6AA0

Electronic module for IO-Link, base mounting

Operational voltage	Slave type	Number of digital inputs: Standard	Number of digital inputs: Safety-related	Number of digital outputs	SD	Spring-type terminals (push-in) Article No.	Price per PU	PU (UNIT, SET, M)	PS*
V					d				
24	Freely programmable (default 6 DI/2 DQ)	0-8	0	0-8	5	**3SU1400-2HL10-6AA0**		1	1 unit



3SU1400-2HL10-6AA0

Support terminals

Color	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	d				
Black	3	**3SU1400-2DA10-1AA0**		1	1 unit
Blue	5	**3SU1400-2DA50-1AA0**		1	1 unit
Green/Yellow	3	**3SU1400-2DA43-1AA0**		1	1 unit



3SU1400-2DA10-1AA0

		Spring-type terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Black	5	**3SU1400-2DA10-3AA0**		1	1 unit
Blue	5	**3SU1400-2DA50-3AA0**		1	1 unit
Green/Yellow	5	**3SU1400-2DA43-3AA0**		1	1 unit



3SU1400-2DA50-3AA0

Enclosures

Two-hand operation consoles

Overview

Equipment

The two-hand operation consoles are pre-equipped with commanding devices. In the case of plastic enclosures the command points are equipped as standard with actuators and indicators made of plastic and in the case of metal enclosures they are equipped with actuators and indicators made of metal.

The standard equipment comprises:

- 2 black mushroom pushbuttons, diameter 40 mm, 1 NO + 1 NC
- 1 red EMERGENCY STOP mushroom pushbutton according to ISO 13850, diameter 40 mm, with positive latching, 2 NC

The plastic version can be retrofitted with up to 8 customized command points. The surface of the console has premachined breaking points for this purpose.

Application

The two-hand operation consoles are required for use with machines and systems that have hazardous areas, in order to direct both hands of the operator to one position.

The operation consoles are primarily used on presses, stamping machines, printing presses and paper converting machines, in the chemical industry and in the rubber and plastics industries.

The control command is given by pressing the two mushroom pushbuttons on the sides simultaneously (within 0.5 s of each other) and must be maintained for as long as a hazard exists.

For the further processing of control commands, evaluation units are used, e.g. 3SK11 safety relays or the 3RK3, 3SK2 Modular Safety System.

Standards

The two-hand operation consoles comply with the requirements of EN 574.

Selection and ordering data

	Version of actuating element/ unlatching method/ operating principle	Color of actuating element	Number of NO contacts	Number of NC contacts	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Two-hand operation consoles									
	Plastic								
	None	--	0	0	5	**3SU1803-3AA00-0AA1**		1	1 unit
 3SU1803-3NB00-1AE1	A = Mushroom pushbutton/ momentary contact B = EMERGENCY STOP mushroom pushbutton/ rotate to unlatch C = Mushroom pushbutton/ momentary contact	A = Black/ B = Red/ C = Black	2	4	5	**3SU1803-3NB00-1AE1**		1	1 unit
	Metal								
 3SU1853-3AA00-0AA1	None	--	0	0	5	**3SU1853-3AA00-0AA1**		1	1 unit
 3SU1853-3NB00-1AA1	A = Mushroom pushbutton/ momentary contact B = EMERGENCY STOP mushroom pushbutton/ rotate to unlatch C = Mushroom pushbutton/ momentary contact	A = Black/ B = Red/ C = Black	2	4	5	**3SU1853-3NB00-1AA1**		1	1 unit
 3SU1853-3NB00-1AD1			2	4	5	**3SU1853-3NB00-1AD1**		1	1 unit

	Version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Accessories								
	Stands for two-hand operation consoles							
 3SU1950-0HN10-0AA0		Metal	Black	5	**3SU1950-0HN10-0AA0**		1	1 unit

Labels

Insert labels

Overview

Labels can be inserted for identification purposes in pushbuttons (clear) and in illuminated pushbuttons with a flat button. These insert labels are made of semi-transparent plastic with black inscription; they can be fitted in any 90° angle.

Inscription

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

The insert labels without inscription are suitable for user marking with permanent pen.

For customized inscription, see "Options" on page 10/140.

Selection and ordering data



3SU1900-0AB71-0AA0



3SU1900-0AB71-0DN0

Color	Marking	DT	Order No.	PU (UNIT, SET, M)	PS*
Insert labels					
For self-inscription					
Clear/Black (label/lettering)	None	B	**3SU1900-0AB71-0AA0**	100	10 units
For customized inscription					
Clear/Black (label/lettering)	None	B	**3SU1900-0AB71-0AZ0**	100	10 units
Inscription in English					
Clear/Black (label/lettering)	On	B	**3SU1900-0AB71-0DJ0**	100	10 units
	Off	B	**3SU1900-0AB71-0DK0**	100	10 units
	Up	B	**3SU1900-0AB71-0DL0**	100	10 units
	Down	B	**3SU1900-0AB71-0DM0**	100	10 units
	Forward+	B	**3SU1900-0AB71-0DN0**	100	10 units
	Right	B	**3SU1900-0AB71-0DQ0**	100	10 units
	Left	B	**3SU1900-0AB71-0DR0**	100	10 units
	Stop	B	**3SU1900-0AB71-0DS0**	100	10 units
	Start	B	**3SU1900-0AB71-0DT0**	100	10 units
	Reset	B	**3SU1900-0AB71-0DU0**	100	10 units
	Test	B	**3SU1900-0AB71-0DV0**	100	10 units
	Open	B	**3SU1900-0AB71-0DW0**	100	10 units
	Close	B	**3SU1900-0AB71-0DX0**	100	10 units
	Running	B	**3SU1900-0AB71-0EB0**	100	10 units
	Fast	B	**3SU1900-0AB71-0EE0**	100	10 units
	Slow	B	**3SU1900-0AB71-0EF0**	100	10 units

Labels

Insert labels



3SU1900-0AB71-0QC0



3SU1900-0AB71-0QT0



3SU1900-0AB71-0RB0



3SU1900-0AB71-0RN0

Color	Marking	Symbol No.	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			d				
Insert labels							
With symbol (ON/OFF)							
Milky white/ black (label/lettering)	O	5008 IEC	▶	**3SU1900-0AB71-0QA0**		100	10 units
	I	5007 IEC	▶	**3SU1900-0AB71-0QB0**		100	10 units
	II	--	5	**3SU1900-0AB71-0QC0**		100	10 units
	III	--	5	**3SU1900-0AB71-0QD0**		100	10 units
With symbol (graphic)							
Milky white/ black (label/lettering)	ARROW DIRECTION TO RIGHT	5022 IEC	▶	**3SU1900-0AB71-0QR0**		100	10 units
	ARROW DIRECTION UP AND TO LEFT	--	▶	**3SU1900-0AB71-0QS0**		100	10 units
	CLOCKWISE ROTATION	0004 ISO	5	**3SU1900-0AB71-0QT0**		100	10 units
	COUNTERCLOCK-WISE ROTATION	--	5	**3SU1900-0AB71-0QU0**		100	10 units
	RAPID TRAVERSE	0266 ISO	5	**3SU1900-0AB71-0QV0**		100	10 units
	FEED	0259 ISO	5	**3SU1900-0AB71-0QW0**		100	10 units
	INCREASE, PLUS	5005 IEC	5	**3SU1900-0AB71-0QX0**		100	10 units
	DECREASE, MINUS	5006 IEC	5	**3SU1900-0AB71-0QY0**		100	10 units
	ELECTRIC MOTOR	0011 ISO	5	**3SU1900-0AB71-0RA0**		100	10 units
	HORN	5014 IEC	5	**3SU1900-0AB71-0RB0**		100	10 units
	WATER INLET	--	5	**3SU1900-0AB71-0RC0**		100	10 units
	PUMP	0134 ISO	5	**3SU1900-0AB71-0RD0**		100	10 units
	COOLANT PUMP	0355 ISO	5	**3SU1900-0AB71-0RE0**		100	10 units
	LOCK, TIGHTEN	5653 IEC	5	**3SU1900-0AB71-0RF0**		100	10 units
	UNLOCK, UNCLAMP	5652 IEC	5	**3SU1900-0AB71-0RG0**		100	10 units
	BRAKE	--	5	**3SU1900-0AB71-0RH0**		100	10 units
	RELEASE BRAKE	0021 ISO	5	**3SU1900-0AB71-0RJ0**		100	10 units
	INTERLOCK	0022 ISO	5	**3SU1900-0AB71-0RK0**		100	10 units
	UNLOCK	0023 ISO	5	**3SU1900-0AB71-0RL0**		100	10 units
	SET UP	0910 ISO	5	**3SU1900-0AB71-0RM0**		100	10 units
	ON/OFF, MOMENTARY CONTACT TYPE	5011 IEC	5	**3SU1900-0AB71-0RN0**		100	10 units
	MANUAL OPERATION	0096 ISO	5	**3SU1900-0AB71-0RP0**		100	10 units
	AUTOMATIC CYCLE	0017 ISO	▶	**3SU1900-0AB71-0RQ0**		100	10 units
	SUCTION	--	5	**3SU1900-0AB71-0RR0**		100	10 units
	BLOWING	--	5	**3SU1900-0AB71-0RS0**		100	10 units

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data.

By default, a letter height of 4 mm (for a single line of text) or 3 mm (for two or three lines of text) is used for text inscriptions.

The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

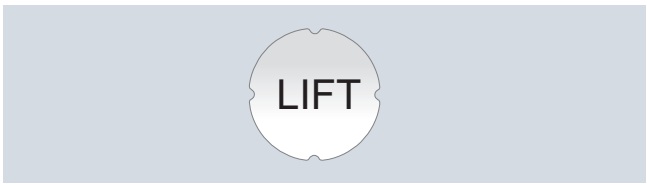
For round insert labels, the maximum possible number of characters per line is:

- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text, but 10 characters in the middle line

Examples for customized inscription



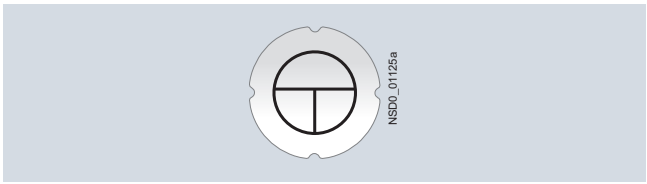
Two-line inscription in upper/lower case lettering (Q0Y)



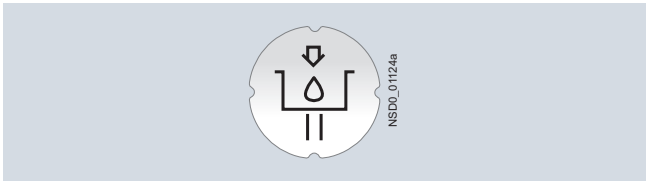
Single-line inscription in upper case lettering (Q1Y)



Three-line inscription in lower case letters (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language. In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 =Lower". For long words you can also specify the end-of-line division; see ordering example 1

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417; see ordering examples 2 and 3

The SIRIUS ACT Configurator must be used to select customized inscriptions and symbols (order code Q9Y).
In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:
- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.usa.siemens.com/industrymall

Ordering example 1

A label with 2 lines of text is required:

3SU1900-0AB71-0AZ0
Q1Y
Z1 = LIFT
Z2 = LOWER

Ordering example 2

A label inscribed with symbol No. 5011 according to IEC 60417 is required:

3SU1900-0AB71-0AZ0
Q3Y
Z = 5011 IEC

Ordering example 3

A label inscribed with symbol No. 1118 according to ISO 7000 is required:

3SU1900-0AB71-0AZ0
Q3Y
Z = 1118 ISO

Labels

Label holders for labeling plates

Selection and ordering data

Material Label holder shape	Label holder color	Label fastening method	Labeling plate size Height mm	 Width mm	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Label holders for labeling plates									
 3SU1900-0AG10-0AA0									
Plastic With rounded bottom	Black	Self-adhesive	12.5 17.5 27	27 27 27	▶ ▶ ▶	**3SU1900-0AG10-0AA0** **3SU1900-0AH10-0AA0** **3SU1900-0AJ10-0AA0**		100 100 100	10 units 10 units 10 units
		Snap-on	12.5 17.5 27	27 27 27	▶ ▶ ▶	**3SU1900-0AR10-0AA0** **3SU1900-0AS10-0AA0** **3SU1900-0AT10-0AA0**		100 100 100	10 units 10 units 10 units
 3SU1900-0AN10-0AA0									
Plastic, with square bottom	Black	Self-adhesive	12.5 17.5 27	27 27 27	3 ▶ 5	**3SU1900-0AN10-0AA0** **3SU1900-0AP10-0AA0** **3SU1900-0AQ10-0AA0**		100 100 100	10 units 10 units 10 units
For 2 labeling plates									
 3SU1900-0BQ10-0AA0									
Plastic, with rounded bottom	Black	Self-adhesive	17.5	27	▶	**3SU1900-0BQ10-0AA0**		1	1 unit
		Snap-on	17.5	27	▶	**3SU1900-0BR10-0AA0**		1	1 unit
For 4 labeling plates									
 3SU1900-0BT10-0AA0									
Plastic, with rounded bottom	Black	Self-adhesive	17.5	27	▶	**3SU1900-0BS10-0AA0**		1	1 unit
		Snap-on	17.5	27	▶	**3SU1900-0BT10-0AA0**		1	1 unit
For actuators and indicators, 30 mm NEW									
 3SU1960-0AH10-0AA0									
Metal, matte With rounded bottom	Black	Self-adhesive	17.5	27	▶	**3SU1960-0AH10-0AA0**		1	10 units
		Snap-on	17.5	27	▶	**3SU1960-0AS10-0AA0**		1	10 units
Label holders for labeling plates, coordinate switches									
 3SU1900-0AL10-0AA0									
Plastic, with square bottom	Black	Self-adhesive	27	27	▶	**3SU1900-0AL10-0AA0**		1	1 unit
 3SU1900-0AM10-0AA0									
Plastic, cross	Black	Self-adhesive	27	27	▶	**3SU1900-0AM10-0AA0**		1	1 unit

Labels

Label holders for labeling plates

	Material Label holder shape	Label holder color	Label fastening method	Labeling plate size Height	 Width	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
				mm	mm	d				
Label holders for labeling plates, twin pushbuttons										
 3SU1900-0AK10-0AA0	Plastic, rectangular	Black	Self-adhesive	12.5	27	►	**3SU1900-0AK10-0AA0**		100	10 units
Single frames										
 3SU1900-0AX10-0AA0	Plastic, square	Black	--	29.8	29.8	►	**3SU1900-0AX10-0AA0**		1	10 units

Labels

Labeling plates

Overview

The backing plates consist of a black molded-plastic label holder and a labeling plate (black with white print or silver-colored with black print) for sticking or snapping in place. They are not suitable for EMERGENCY STOP buttons. Note mounting dimensions!

Inscription

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscription, see "Options" on page 10/148.

Labeling plates for sticking/snapping in place

The labels are available in three sizes:

- 12.5 mm × 27 mm
- 17.5 mm × 27 mm
- 27 mm × 27 mm

For mounting the labeling plates, you can choose between label holders for stick-on or snap-on mounting.

Selection and ordering data

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
Labeling plates 12.5 mm x 27 mm						
For self-inscription						
Black/White (label/lettering)	None	--	▶	**3SU1900-0AC16-0AA0**	100	10 units
For custom inscription						
Black/White (label/lettering)	None	--	▶	**3SU1900-0AC16-0AZ0**	100	10 units
Inscription in English						
Black/White (label/lettering)	On	--	B	**3SU1900-0AC16-0DJ0**	100	10 units
	Off	--	B	**3SU1900-0AC16-0DK0**	100	10 units
	Up	--	B	**3SU1900-0AC16-0DL0**	100	10 units
	Down	--	B	**3SU1900-0AC16-0DM0**	100	10 units
	Forward	--	▶	**3SU1900-0AC16-0DN0**	100	10 units
	Reverse	--	B	**3SU1900-0AC16-0DP0**	100	10 units
	Right	--	B	**3SU1900-0AC16-0DQ0**	100	10 units
	Left	--	B	**3SU1900-0AC16-0DR0**	100	10 units
	Stop	--	▶	**3SU1900-0AC16-0DS0**	100	10 units
	Start	--	▶	**3SU1900-0AC16-0DT0**	100	10 units
	Reset	--	B	**3SU1900-0AC16-0DU0**	100	10 units
	Test	--	B	**3SU1900-0AC16-0DV0**	100	10 units
	Open	--	▶	**3SU1900-0AC16-0DW0**	100	10 units
	Close	--	▶	**3SU1900-0AC16-0DX0**	100	10 units
	Jog	--	B	**3SU1900-0AC16-0DE0**	100	10 units
	Running	--	B	**3SU1900-0AC16-0EB0**	100	10 units
	Fault	--	B	**3SU1900-0AC16-0EC0**	100	10 units
	Run	--	B	**3SU1900-0AC16-0ED0**	100	10 units
	Stop Start	--	B	**3SU1900-0AC16-0DC0**	100	10 units
	Off On	--	▶	**3SU1900-0AC16-0DH0**	100	10 units
	Power off	--	B	**3SU1900-0AC16-0DF0**	100	10 units
	Power on	--	B	**3SU1900-0AC16-0DG0**	100	10 units
	Man O Auto	--	B	**3SU1900-0AC16-0DY0**	100	10 units
	Man Auto	--	B	**3SU1900-0AC16-0EA0**	100	10 units
	Hand Auto	--	B	**3SU1900-0AC16-0DB0**	100	10 units
	Hand O Auto	--	B	**3SU1900-0AC16-0DD0**	100	10 units
With symbol						
Black/White (label/lettering)	O	--	B	**3SU1900-0AC16-0QA0**	100	10 units
	I	--	B	**3SU1900-0AC16-0QB0**	100	10 units
	O I	--	B	**3SU1900-0AC16-0QG0**	100	10 units
	1 2	--	B	**3SU1900-0AC16-0QJ0**	100	10 units
	↑ ARROW DIRECTION UP	--	B	**3SU1900-0AC16-0QS0**	100	10 units



3SU1900-0AC16-0AA0



3SU1900-0AC16-0DN0

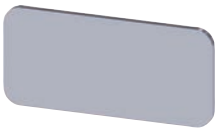


3SU1900-0AC16-0QG0

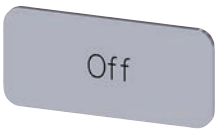
Labels

Labeling plates

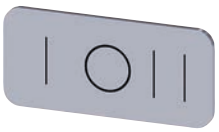
Labeling plates 12.5 mm x 27 mm



3SU1900-0AC81-0AA0



3SU1900-0AC81-0DK0



3SU1900-0AC81-0QK0

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
For self-inscription						
Silver/Black (label/lettering)	None		A	**3SU1900-0AC81-0AA0**	100	10 units
For custom inscription						
Silver/Black (label/lettering)	None		A	**3SU1900-0AC81-0AZ0**	100	10 units
Inscription in English						
Silver/Black (label/lettering)	On	--	B	**3SU1900-0AC81-0DJ0**	100	10 units
	Off	--	B	**3SU1900-0AC81-0DK0**	100	10 units
	Up	--	B	**3SU1900-0AC81-0DL0**	100	10 units
	Down	--	B	**3SU1900-0AC81-0DM0**	100	10 units
	Stop	--	B	**3SU1900-0AC81-0DS0**	100	10 units
	Start	--	B	**3SU1900-0AC81-0DT0**	100	10 units
	Reset	--	B	**3SU1900-0AC81-0DU0**	100	10 units
	Test	--	B	**3SU1900-0AC81-0DV0**	100	10 units
	Open	--	B	**3SU1900-0AC81-0DW0**	100	10 units
	Close	--	B	**3SU1900-0AC81-0DX0**	100	10 units
	Man O Auto	--	B	**3SU1900-0AC81-0DY0**	100	10 units
	Man Auto	--	B	**3SU1900-0AC81-0EA0**	100	10 units
	Running	--	B	**3SU1900-0AC81-0EB0**	100	10 units
	Fault	--	B	**3SU1900-0AC81-0EC0**	100	10 units
	Fast	--	B	**3SU1900-0AC81-0EE0**	100	10 units
	Slow	--	B	**3SU1900-0AC81-0EF0**	100	10 units
	Hand Auto	--	B	**3SU1900-0AC81-0DB0**	100	10 units
	Stop Start	--	B	**3SU1900-0AC81-0DC0**	100	10 units
	Hand O Auto	--	B	**3SU1900-0AC81-0DD0**	100	10 units
With symbol						
Silver/Black (label/lettering)	O	5008 IEC	B	**3SU1900-0AC81-0QA0**	100	10 units
	I	5007 IEC	B	**3SU1900-0AC81-0QB0**	100	10 units
	II	--	B	**3SU1900-0AC81-0QC0**	100	10 units
	III	--	B	**3SU1900-0AC81-0QD0**	100	10 units
	O I	--	B	**3SU1900-0AC81-0QG0**	100	10 units
	I O II	--	B	**3SU1900-0AC81-0QK0**	100	10 units
	1 O 2	--	B	**3SU1900-0AC81-0QL0**	100	10 units
	→ ARROW DIRECTION TO RIGHT	5022 IEC	B	**3SU1900-0AC81-0QR0**	100	10 units
	↑ ARROW DIRECTION UP	--	B	**3SU1900-0AC81-0QS0**	100	10 units

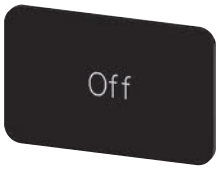
Labels

Labeling plates

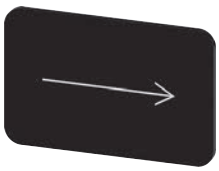
Labeling plates 17.5 mm x 27 mm



3SU1900-0AD16-0AA0



3SU1900-0AD16-0DK0



3SU1900-0AD16-0QR0

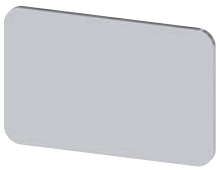
Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
For self-inscription						
Black/White (label/lettering)	None	--	▶	**3SU1900-0AD16-0AA0**	100	10 units
For custom inscription						
Black/White (label/lettering)	None	--	▶	**3SU1900-0AD16-0AZ0**	100	10 units
Inscription in English						
Black/White (label/lettering)	Stop Start	--	B	**3SU1900-0AD16-0DC0**	100	10 units
	On	--	B	**3SU1900-0AD16-0DJ0**	100	10 units
	Off	--	B	**3SU1900-0AD16-0DK0**	100	10 units
	Up	--	B	**3SU1900-0AD16-0DL0**	100	10 units
	Down	--	B	**3SU1900-0AD16-0DM0**	100	10 units
	Forward	--	B	**3SU1900-0AD16-0DN0**	100	10 units
	Reverse	--	B	**3SU1900-0AD16-0DP0**	100	10 units
	Right	--	B	**3SU1900-0AD16-0DQ0**	100	10 units
	Stop	--	B	**3SU1900-0AD16-0DS0**	100	10 units
	Start	--	B	**3SU1900-0AD16-0DT0**	100	10 units
	Open	--	B	**3SU1900-0AD16-0DW0**	100	10 units
	Close	--	B	**3SU1900-0AD16-0DX0**	100	10 units
	Man Auto	--	B	**3SU1900-0AD16-0EA0**	100	10 units
	Running	--	B	**3SU1900-0AD16-0EB0**	100	10 units
	Fault	--	B	**3SU1900-0AD16-0EC0**	100	10 units
	Hand Auto	--	B	**3SU1900-0AD16-0DB0**	100	10 units
With symbol						
Black/White (label/lettering)	O	5008 IEC	B	**3SU1900-0AD16-0QA0**	100	10 units
	I	5007 IEC	B	**3SU1900-0AD16-0QB0**	100	10 units
	O I	--	B	**3SU1900-0AD16-0QG0**	100	10 units
	→ ARROW DIRECTION TO RIGHT	5022 IEC	B	**3SU1900-0AD16-0QR0**	100	10 units
	↑ ARROW DIRECTION UP	--	B	**3SU1900-0AD16-0QS0**	100	10 units

Labels

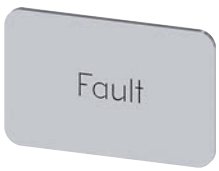
Labeling plates

Labeling plates 17.5 mm x 27 mm

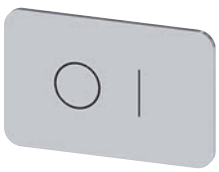
Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
For self-inscription						
Silver/Black (label/lettering)	None	--	A	**3SU1900-0AD81-0AA0**	100	10 units
For custom inscription						
Silver/Black (label/lettering)	None	--	A	**3SU1900-0AD81-0AZ0**	100	10 units
Inscription in English						
Silver/Black (label/lettering)	On	--	B	**3SU1900-0AD81-0DJ0**	100	10 units
	Off	--	B	**3SU1900-0AD81-0DK0**	100	10 units
	Stop	--	B	**3SU1900-0AD81-0DS0**	100	10 units
	Start	--	B	**3SU1900-0AD81-0DT0**	100	10 units
	Reset	--	B	**3SU1900-0AD81-0DU0**	100	10 units
	Man O Auto	--	B	**3SU1900-0AD81-0DY0**	100	10 units
	Fault	--	B	**3SU1900-0AD81-0EC0**	100	10 units
	Hand Auto	--	B	**3SU1900-0AD81-0DB0**	100	10 units
	Hand O Auto	--	B	**3SU1900-0AD81-0DD0**	100	10 units
With symbol						
Silver/Black (label/lettering)	O	5008 IEC	B	**3SU1900-0AD81-0QA0**	100	10 units
	I	5007 IEC	B	**3SU1900-0AD81-0QB0**	100	10 units
	O I	--	B	**3SU1900-0AD81-0QG0**	100	10 units
	I O II	--	B	**3SU1900-0AD81-0QK0**	100	10 units
	1 O 2	--	B	**3SU1900-0AD81-0QL0**	100	10 units
	→ ARROW DIRECTION TO RIGHT	5022 IEC	B	**3SU1900-0AD81-0QR0**	100	10 units
	↑ ARROW DIRECTION UP	--	B	**3SU1900-0AD81-0QS0**	100	10 units



3SU1900-0AD81-0AA0



3SU1900-0AD81-0EC0



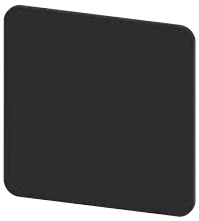
3SU1900-0AD81-0QG0

Labels

Labeling plates

Labeling plates 27 mm x 27 mm

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
For self-inscription						
Black/White (label/lettering)	None	--	►	**3SU1900-0AE16-0AA0**	100	10 units
For custom inscription						
Black/White (label/lettering)	None	--	►	**3SU1900-0AE16-0AZ0**	100	10 units



3SU1900-0AE16-0AA0

For self-inscription						
Silver/Black (label/lettering)			A	**3SU1900-0AE81-0AA0**	100	10 units
For custom inscription						
Silver/Black (label/lettering)		--	A	**3SU1900-0AE81-0AZ0**	100	10 units



3SU1900-0AE81-0AA0

Inscription in English						
Black/White (label/lettering)	On	--	B	**3SU1900-0AE16-0DJ0**	100	10 units
	Off	--	B	**3SU1900-0AE16-0DK0**	100	10 units
	Up	--	B	**3SU1900-0AE16-0DL0**	100	10 units
	Down	--	B	**3SU1900-0AE16-0DM0**	100	10 units
	Forward	--	B	**3SU1900-0AE16-0DN0**	100	10 units
	Reverse	--	B	**3SU1900-0AE16-0DP0**	100	10 units
	Stop	--	B	**3SU1900-0AE16-0DS0**	100	10 units
	Start	--	B	**3SU1900-0AE16-0DT0**	100	10 units
	EMERGENCY STOP	--	B	**3SU1900-0AE16-0DA0**	100	10 units
	Stop Start	--	B	**3SU1900-0AE16-0DC0**	100	10 units
	Hand Auto	--	B	**3SU1900-0AE16-0DB0**	100	10 units



3SU1900-0AE16-0DK0

With symbol						
Black/White (label/lettering)	O I	--	B	**3SU1900-0AE16-0QG0**	100	10 units
	→ ARROW DIRECTION TO RIGHT	5022 IEC	B	**3SU1900-0AE16-0QR0**	100	10 units



3SU1900-0AE16-0QG0

Options

Customized inscriptions

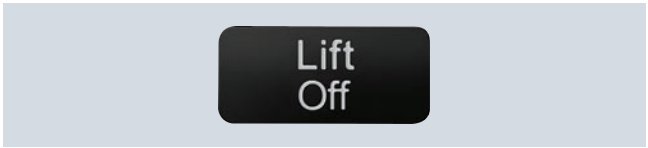
The labels can be inscribed with text and symbols not listed in the ordering data.

The following letter heights are used as standard for text inscriptions:

- Label size 12.5 mm × 27 mm: 3 lines with letter height 4 mm (1-line), 3.5 mm (2-line) or 2.5 mm (3-line)
- Label size 17.5 mm × 27 mm: 3 lines with letter height 4 mm (1- to 2-line) or 3 mm (3-line)
- Label size 27 mm × 27 mm: 5 lines with letter height 4 mm (1- to 5-line)

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

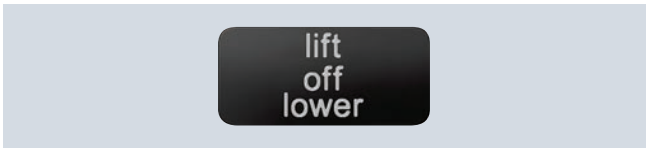
Examples for customized inscription



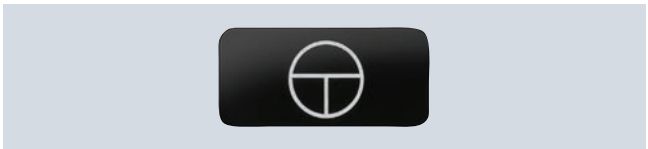
Two-line inscription in upper/lower case lettering (Q0Y)



Single-line inscription in upper case lettering (Q1Y)



Three-line inscription in lower case letters (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 =Lower".
For long words you can also specify the end-of-line division; see ordering example 1

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417; see ordering examples 2 and 3

For special symbols (order code Q9Y), a CAD drawing in BMP, GIF, JEPG, PDF, PNG or TIFF format must be submitted. For special inscriptions (order code Q9Y): document in DOC or XLS format.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:
- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.usa.siemens.com/industrymall

Ordering example 1

A label with 2 lines of text is required:

3SU1900–0AC16-0AZ0
Q1Y
Z1 = LIFT
Z2 = LOWER

Ordering example 2

A label inscribed with symbol No. 5011 according to IEC 60417 is required:

3SU1900–0AC16-0AZ0
Q3Y
Z = 5011 IEC

Ordering example 3

A label inscribed with symbol No. 1118 according to ISO 7000 is required:

3SU1900–0AC16-0AZ0
Q3Y
Z = 1118 ISO

Labels

Labeling plates for enclosures

Overview

The labeling plates in size 22 mm x 22 mm can be attached to enclosures with cutouts for labels. There are versions in black with white print or silver-colored with black print.

Inscription

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscription, see "Options" on page 10/151.

Selection and ordering data

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
Labeling plates 22 mm x 22 mm						
For self-inscription						
Black/White (label/lettering)	None	--	▶	**3SU1900-0AF16-0AA0**	100	10 units
For custom inscription						
Black/White (label/lettering)	None	--	▶	**3SU1900-0AF16-0AZ0**	100	10 units
Inscription in English						
Black/White (label/lettering)	On	--	B	**3SU1900-0AF16-0DJ0**	1	10 units
	Off	--	B	**3SU1900-0AF16-0DK0**	1	10 units
	Up	--	▶	**3SU1900-0AF16-0DL0**	1	10 units
	Down	--	▶	**3SU1900-0AF16-0DM0**	1	10 units
	Forward	--	B	**3SU1900-0AF16-0DN0**	1	10 units
	Right	--	B	**3SU1900-0AF16-0DQ0**	1	10 units
	Left	--	B	**3SU1900-0AF16-0DR0**	1	10 units
	Stop	--	▶	**3SU1900-0AF16-0DS0**	1	10 units
	Start	--	▶	**3SU1900-0AF16-0DT0**	1	10 units
	Reset	--	B	**3SU1900-0AF16-0DU0**	1	10 units
	Test	--	▶	**3SU1900-0AF16-0DV0**	1	10 units
	Open	--	B	**3SU1900-0AF16-0DW0**	1	10 units
	Close	--	B	**3SU1900-0AF16-0DX0**	1	10 units
	Running	--	B	**3SU1900-0AF16-0EB0**	1	10 units
	Fault	--	B	**3SU1900-0AF16-0EC0**	1	10 units
	Fast	--	B	**3SU1900-0AF16-0EE0**	1	10 units
	Slow	--	B	**3SU1900-0AF16-0EF0**	1	10 units
	EMERGENCY STOP	--	▶	**3SU1900-0AF16-0DA0**	1	10 units
With symbol (ON/OFF)						
Black/White (label/lettering)	O	5008 IEC	▶	**3SU1900-0AF16-0QA0**	1	10 units
	I	5007 IEC	▶	**3SU1900-0AF16-0QB0**	1	10 units
	II	--	▶	**3SU1900-0AF16-0QC0**	1	10 units
	III	--	B	**3SU1900-0AF16-0QD0**	1	10 units
	O I	--	B	**3SU1900-0AF16-0QG0**	1	10 units
	I O II	--	B	**3SU1900-0AF16-0QK0**	1	10 units
	I O (one below the other)	--	B	**3SU1900-0AF16-0QP0**	1	10 units
	II O I (one below the other)	--	B	**3SU1900-0AF16-0QQ0**	1	10 units
With symbol (graphic)						
Black/White (label/lettering)	ARROW DIRECTION TO RIGHT	5022 IEC	▶	**3SU1900-0AF16-0QR0**	1	10 units
	PUMP	0134 ISO	B	**3SU1900-0AF16-0RD0**	1	10 units
	FAN	--	B	**3SU1900-0AF16-0RV0**	1	10 units
	COOLING	--	B	**3SU1900-0AF16-0RW0**	1	10 units
	ILLUMINATION	--	B	**3SU1900-0AF16-0RX0**	1	10 units
	MOTOR	--	B	**3SU1900-0AF16-0RY0**	1	10 units



3SU1900-0AF16-0AA0



3SU1900-0AF16-0DM0



3SU1900-0AF16-0EC0



3SU1900-0AF16-0QQ0

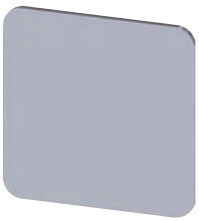


3SU1900-0AF16-0RW0

Labels

Labeling plates for enclosures

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
Labeling plates 22 mm x 22 mm						
For self-inscription						
Silver/Black (label/lettering)	None	--	A	**3SU1900-0AF81-0AA0**	100	10 units
For custom inscription						
Silver/Black (label/lettering)	None	--	A	**3SU1900-0AF81-0AZ0**	100	10 units
Inscription in English						
Silver/Black (label/lettering)	Stop	--	B	**3SU1900-0AF81-0DS0**	1	10 units
	Start	--	B	**3SU1900-0AF81-0DT0**	1	10 units
	Reset	--	B	**3SU1900-0AF81-0DU0**	1	10 units
	Test	--	B	**3SU1900-0AF81-0DV0**	1	10 units
	Open	--	B	**3SU1900-0AF81-0DW0**	1	10 units
	Hand O Auto	--	B	**3SU1900-0AF81-0DD0**	1	10 units
With symbol (ON/OFF)						
Silver/Black (label/lettering)	O	5008 IEC	B	**3SU1900-0AF81-0QA0**	1	10 units
	I	5007 IEC	B	**3SU1900-0AF81-0QB0**	1	10 units
	II	--	B	**3SU1900-0AF81-0QC0**	1	10 units
	III	--	B	**3SU1900-0AF81-0QD0**	1	10 units
	O I	--	B	**3SU1900-0AF81-0QG0**	1	10 units
	I O II	--	B	**3SU1900-0AF81-0QK0**	1	10 units
	I O (one below the other)	--	B	**3SU1900-0AF81-0QP0**	1	10 units
	II O I (one below the other)	--	B	**3SU1900-0AF81-0QQ0**	1	10 units
With symbol (graphic)						
Silver/Black (label/lettering)	→ ARROW DIRECTION TO RIGHT	5022 IEC	B	**3SU1900-0AF81-0QR0**	1	10 units


3SU1900-0AF81-0AA0



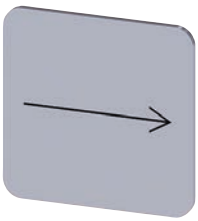
3SU1900-0AF81-0DU0



3SU1900-0AF81-0DD0



3SU1900-0AF81-QK0


3SU1900-0AF81-0QR0

Options

Customized inscriptions

The labels can be inscribed with texts and symbols not listed in the ordering data.

A letter height of 4 mm is used for text inscriptions (1 to 3 lines).

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

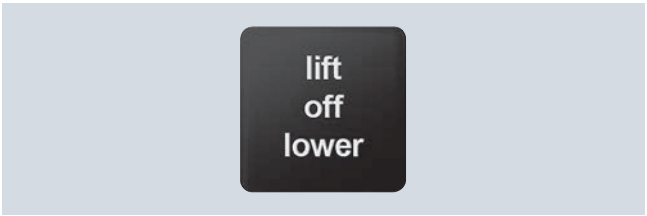
Examples for customized inscription



Two-line inscription in upper/lower case lettering (Q0Y)



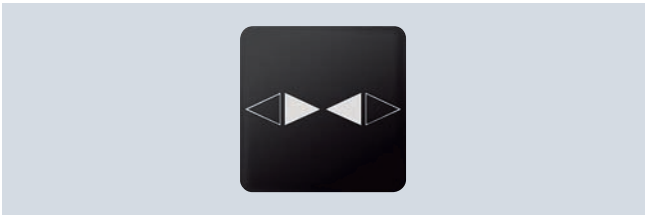
Single-line inscription in upper case lettering (Q1Y)



3SB39 backing plate for enclosures, customized inscription (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 =Lower". For long words you can also specify the end-of-line division (see ordering example 1).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

For special symbols (order code Q9Y), a CAD drawing in DXF format can be submitted.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:
- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.usa.siemens.com/industrymall

Ordering example 1

A label with 2 lines of text is required:

3SU1900–0AF16-0AZ0
Q1Y
Z1 = LIFT
Z2 = LOWER

Ordering example 2

A label inscribed with symbol No. 5011 according to IEC 60417 is required:

3SU1900–0AF16–0AZ0
Q3Y
Z = 5011 IEC

Ordering example 3

A label inscribed with symbol No. 1118 according to ISO 7000 is required:

3SU1900–0AF16–0AZ0
Q3Y
Z = 1118 ISO

Labels

Labels for laser printers

Overview

Label inscriptions

Using the *Label Designer* software, which can be downloaded from the Internet, and the labeling plates for laser inscription you can create your own customized labels with a standard laser printer. The self-adhesive or snap-on labels can be stuck or snapped onto the corresponding label holders. Round labels are provided for inserting in illuminated pushbuttons and switches.

The labels are suitable for inscription with one to three lines of text or symbols.

For applications with more exacting requirements we recommend factory-printed labeling plates and insert labels (laser-printed or engraved depending on the type).

For the *Label Designer* software see:
www.siemens.com/sirius-label-designer

Selection and ordering data

	Fastening method	Height	Width	DT	Order No.	PU (UNIT, SET, M)	PS*
		mm	mm				
Labels for printing - insert labels							
 3SU1900-0BH60-0AA0	Insert	--	--	B	**3SU1900-0BH60-0AA0**	100	480 units
Labels for printing - labeling plates							
 3SU1900-0BJ61-0AA0	Self-adhesive	12.5	27.5	A	**3SU1900-0BJ61-0AA0**	100	480 units
		17.5	27	A	**3SU1900-0BK61-0AA0**	100	720 units
		27	27	A	**3SU1900-0BL61-0AA0**	100	480 units
		22	22	A	**3SU1900-0BM61-0AA0**	100	700 units

Labels

Other labels

Selection and ordering data

	Color	Fastening method	Outer diameter	Marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			mm		d				
EMERGENCY STOP backing plates									
 3SU1900-0BB31-0AT0	Yellow/black (label/lettering)	None	45	None	▶	**3SU1900-0BA31-0AA0**		1	10 units
			45	EMERGENCY STOP (pl) NEW	5	**3SU1900-0BA31-0ND0**		1	10 units
			60	NOT-HALT, EMERGENCY STOP, ARRÊT D'URGENCE, EMERGENZA (de, en, fr, it)	5	**3SU1900-0BN31-0NC0**		1	10 units
			75	None	▶	**3SU1900-0BB31-0AA0**		1	10 units
				NOT-AUS	3	**3SU1900-0BB31-0AS0**		1	10 units
				NOT-HALT	3	**3SU1900-0BB31-0AT0**		1	10 units
				EMERGENCY STOP	5	**3SU1900-0BB31-0DA0**		1	10 units
			75	EMERGENCY STOP (pl) NEW	5	**3SU1900-0BB31-0ND0**		1	10 units
	With customized inscription								
	Yellow/black (label/lettering)	None	45	For inscriptions or symbols, see "Options", page 13/133.		**3SU1900-0BA31-0AZ0**		1	1 unit
			75			**3SU1900-0BB31-0AZ0**		1	1 unit
EMERGENCY STOP backing plates, illuminated (24 V AC/DC) NEW									
 3SU1901-0BD31-0AA0	Yellow/black (label/lettering)	Self-adhesive	60	None	5	**3SU1901-0BD31-0AA0**		1	1 unit
				NOT-AUS	5	**3SU1901-0BD31-0AS0**		1	1 unit
				NOT-HALT	5	**3SU1901-0BD31-0AT0**		1	1 unit
				EMERGENCY STOP	5	**3SU1901-0BD31-0DA0**		1	1 unit
				NOT-HALT, EMERGENCY STOP, EMERGENZA, EMERGENCIA (de, en, it, sp)	5	**3SU1901-0BD31-0NB0**		1	1 unit
	With customized inscription								
	Yellow/black (label/lettering)	None	60	For inscriptions or symbols, see page 10/154.		**3SU1901-0BD31-0AZ0**		1	1 unit
EMERGENCY STOP backing plates									
 3SU1900-0BC31-0NB0	Yellow/black (label/lettering)	Self-adhesive	75	None	▶	**3SU1900-0BC31-0AA0**		1	10 units
				NOT-AUS	3	**3SU1900-0BC31-0AS0**		1	10 units
				NOT-HALT	▶	**3SU1900-0BC31-0AT0**		1	10 units
				EMERGENCY STOP	▶	**3SU1900-0BC31-0DA0**		1	10 units
				ARRÊT D'URGENCE	3	**3SU1900-0BC31-0GQ0**		1	10 units
				EMERGENZA	3	**3SU1900-0BC31-0JA0**		1	10 units
				Nodstop	5	**3SU1900-0BC31-0LA0**		1	10 units
				EMERGENCY STOP in Chinese	5	**3SU1900-0BC31-0MA0**		1	10 units
				NOT-HALT, EMERGENCY STOP, EMERGENZA, EMERGENCIA (de, en, it, sp)	▶	**3SU1900-0BC31-0NB0**		1	10 units
	With customized inscription								
	Yellow/black (label/lettering)	Self-adhesive	75	For inscriptions or symbols, see "Options", page 13/133.		**3SU1900-0BC31-0AZ0**		1	1 unit
Labeling plates for potentiometers									
 3SU1900-0BG16-0RU0	Black/white (label/lettering)	None	40	--	▶	**3SU1900-0BG16-0AA0**		1	10 units
				SYMBOL: 0 ...9	▶	**3SU1900-0BG16-0RT0**		1	10 units
				SYMBOL: 0 ... 10	3	**3SU1900-0BG16-0SA0**		1	10 units
				SYMBOL: Power up	▶	**3SU1900-0BG16-0RU0**		1	10 units

	Color	Label fastening method	Height	Width	Marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			mm	mm		d				
Labeling plates for enclosures with EMERGENCY STOP										
 3SU1900-0BE31-0AS0	Yellow/black (label/lettering)	Self-adhesive	38	150	None	▶	**3SU1900-0BE31-0AA0**		1	10 units
					NOT-AUS	3	**3SU1900-0BE31-0AS0**		1	10 units
					NOT-HALT NEW	3	**3SU1900-0BE31-0AT0**		1	10 units
Labeling plates for enclosures with EMERGENCY STOP with recess										
 3SU1900-0BF31-0AA0	Yellow/black (label/lettering)	Self-adhesive	38	150	None	3	**3SU1900-0BF31-0AA0**		1	10 units
Device labeling plates for modules with front-plate mounting										
 3SU1900-0AY61-0AA0	White/black (label/lettering)	Insert	9.5	10.5	None	5	**3SU1900-0AY61-0AA0**		100	10 units

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data.

The EMERGENCY STOP backing plates can be divided into as many as four radial segments. Each segment can be custom-labeled.

The default typeface used for inscriptions with text is Arial and the text is centered.

EMERGENCY STOP backing plate 75 mm:

The font height is 5 mm.
With two radial segments up to 20 characters are permissible.
With four radial segments up to 10 characters are permissible.

EMERGENCY STOP backing plate 60 mm:

The font height is 4 mm.
With two radial segments up to 16 characters are permissible.
With four radial segments up to 8 characters are permissible.

EMERGENCY STOP backing plate 45 mm:

The font height is 4 mm.
With two radial segments up to 10 characters are permissible.

Ordering notes

Append the following order codes to the article number:

- **Q0Y:** Segment(s) in upper/lower case, always upper case for beginning of segment, e.g. Z1=Not halt Z2=Emergency stop
- **Q1Y:** Segment(s) in upper case, e.g. Z1=NOT HALT Z2=EMERGENCY STOP
- **Q2Y:** Segment(s) in lower case, e.g. Z1=not halt Z2=emergency stop
- **Q5Y:** Segment(s) in upper/lower case, all words begin with upper case letters, e.g. Z1=Not Halt Z2=Emergency Stop
- **Q3Y:** Symbol with number according to ISO 7000 or IEC 60417
- **Q9Y:** Inscription of choice, text or symbol, can only be ordered via SIRIUS ACT Configurator with a Configuration Identification Number (CIN)

When ordering, specify the required inscription in plain text without spaces, in addition to the article number and order code.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a CIN (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard ordering channels.

Standard ordering channels:
- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.siemens.com/industrymall

With ordering options Q0Y, Q1Y, Q2Y, Q3Y and Q5Y a single-line inscription of two or four radial segments can be implemented. The text or symbol must be assigned to the respective radial segments as follows:

Ordering example 1, two radial segments

An EMERGENCY STOP backing plate,
diameter 75 mm, with two radial segments is required



3SU1900-0BB31-0AZ0
Q1Y
Z1=EMERGENCY
Z2=STOP

Ordering example 2, four radial segments

An EMERGENCY STOP backing plate,
diameter 75 mm, with four radial segments is required



3SU1900-0BB31-0AZ0
Q1Y
Z1=E-STOP
Z2=EMERGENCIA
Z3=NOT-HALT
Z4=EMERGENZA

Accessories

Protection/access protection

Overview

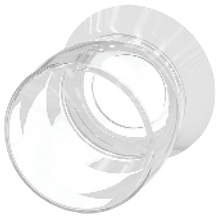
- Protection and access protection are for actuators and indicators with diameter 22 mm.
- The protective collars cannot be used in conjunction with label holders or single frames.

Selection and ordering data

	Product designation Product version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Protective caps								
 3SU1900-0DA10-0AA0	**Sealable caps for pushbuttons, flat and raised**	Plastic	Black Clear	3 3	**3SU1900-0DA10-0AA0** **3SU1900-0DA70-0AA0**		1 1	1 unit 1 unit
 3SU1900-0EL70-0AA0	**Sealable caps for** • Pushbuttons, raised • Pushbuttons with front ring, raised • Pushbuttons with front ring, raised, castellated	Plastic	Black Clear	3 3	**3SU1900-0EL10-0AA0** **3SU1900-0EL70-0AA0**		1 1	1 unit 1 unit
 3SU1900-0DB70-0AA0	**Silicone protective caps for pushbuttons, flat**	Plastic	Clear	▶	**3SU1900-0DB70-0AA0**		1	1 unit
	Silicone-free protective caps for pushbuttons, flat	Plastic	Clear	▶	**3SU1900-0ED70-0AA0**		1	1 unit
 3SU1900-0DC70-0AA0	**Silicone protective caps for pushbuttons, raised**	Plastic	Clear	▶	**3SU1900-0DC70-0AA0**		1	1 unit
	Silicone-free protective caps for pushbuttons, raised	Plastic	Clear	▶	**3SU1900-0EE70-0AA0**		1	1 unit
 3SU1900-0DD70-0AA0	**Silicone protective caps for selectors, short**	Plastic	Clear	3	**3SU1900-0DD70-0AA0**		1	1 unit
	Silicone-free protective caps for selectors, short	Plastic	Clear	▶	**3SU1900-0EF70-0AA0**		1	1 unit
 3SU1900-0DE70-0AA0	**Silicone protective caps for mushroom pushbuttons 40 mm**	Plastic	Clear	5	**3SU1900-0DE70-0AA0**		1	1 unit
	Silicone-free protective caps for mushroom pushbuttons 40 mm	Plastic	Clear	▶	**3SU1900-0EG70-0AA0**		1	1 unit

Accessories

Protection/access protection

	Product designation Product version	Material	Color		SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Protective caps									
 3SU1900-0DF70-0AA0	**Silicone protective caps for EMERGENCY STOP, 40 mm**	Plastic	Clear		5	**3SU1900-0DF70-0AA0**		1	1 unit
 3SU1900-0DG70-0AA0	**Silicone protective caps for twin pushbuttons, flat**	Plastic	Clear		►	**3SU1900-0DG70-0AA0**		1	1 unit
	Silicone protective caps for twin pushbuttons, raised	Plastic	Clear		►	**3SU1900-0DH70-0AA0**		1	1 unit
	Silicone-free protective caps for twin pushbuttons, raised	Plastic	Clear		►	**3SU1900-0EK70-0AA0**		1	1 unit
 3SU1900-0EB10-0AA0	**Dust caps for key-operated switches**	Plastic	Clear		►	**3SU1900-0EB10-0AA0**		1	1 unit
 3SU1900-0EM70-0AA0	**Protective caps for ID key-operated switches**	Plastic	Clear	NEW	5	**3SU1900-0EM70-0AA0**		1	1 unit
	Covers for modules	Plastic	Clear	NEW	5	**3SU1900-0EW70-0AA0**		1	1 unit
Protective collars									
 3SU1900-0DJ10-0AA0	**Sun collar for illuminated push-buttons**	Plastic	Black		5	**3SU1900-0DJ10-0AA0**		1	1 unit
 3SU1900-0DW10-0AA0	**360° protective collars for pushbuttons and selectors, short**	Plastic	Black		3	**3SU1900-0DW10-0AA0**		1	1 unit

Accessories

Protection/access protection

	Product designation Product version	Material	Color		SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Protective collars									
 3SU1950-0DK80-0AA0	**360° protective collars for pushbuttons, 22 mm Round flush & raised Actuators, Indicator Lights** visibility from the side	Metal	Silver		5	**3SU1950-0DK80-0AA0**		1	1 unit
 3SU1950-0DL80-0AA0	**360° protective collars for mushroom pushbuttons Ø 33.3 mm & 40 mm** visibility from the side	Metal	Silver		5	**3SU1950-0DL80-0AA0**		1	1 unit
 3SU1900-0DY30-0AA0	**Protective collars for EMERGENCY STOP mushroom pushbutton Ø up-to 60 mm** without lock or with RONIS lock	Plastic	Yellow Gray		▶ ▶	**3SU1900-0DY30-0AA0** **3SU1900-0DY80-0AA0**		1 1	1 unit 1 unit
	Includes text: EMERGENCY STOP	Plastic	Yellow		▶	**3SU1900-0DY30-0DA0**		1	1 unit
	Protective Collar fits mushroom pushbutton up to 60 mm (Note: For mushroom pushbuttons > 40 mm we suggest that you add text to the mushroom head cap instead of the protective collar).								
 3SU1950-0DX30-0AA0	**Protective collars for EMERGENCY STOP mushroom pushbuttons** for mounting on enclosures	Plastic	Yellow	NEW	5	**3SU1900-0JH30-0AA0**		1	1 unit
	Protective collars for mushroom pushbutton Ø 40 mm, for 5 padlocks	Metal	Yellow Gray		3 5	**3SU1950-0DX30-0AA0** **3SU1950-0DX80-0AA0**		1 1	1 unit 1 unit
	Ø 60 mm, for 3 padlocks	Plastic	Yellow	NEW	5	**3SU1900-0EX30-0AA0**		1	1 unit
 3SU1900-0EA30-0AA0	**360° protective collars for EMERGENCY STOP, SEMI-industry mushroom pushbutton Ø up-to 60 mm**	Plastic	Yellow		5	**3SU1900-0EA30-0AA0**		1	1 unit
 3SU1900-0EC10-0AA0	**Protection for sensor switches**	Plastic	Black		▶	**3SU1900-0EC10-0AA0**		1	1 unit

Accessories

Protection/access protection

	Product version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Locking devices								
 3SU1950-0DM80-0AA0	**Locking devices for pushbuttons** Flat, for raised front ring and raised, castellated front ring	Metal	Silver	5	**3SU1950-0DM80-0AA0**		1	1 unit
 3SU1950-0DN80-0AA0	**Locking devices for pushbuttons** Raised	Metal	Silver	5	**3SU1950-0DN80-0AA0**		1	1 unit
 3SU1950-0DP80-0AA0	**Locking devices for mushroom pushbuttons D30, D40**	Metal	Silver	5	**3SU1950-0DP80-0AA0**		1	1 unit
 3SU1950-0DQ80-0AA0	**Locking devices for selectors** Short/long actuator, in the left position	Metal	Silver	5	**3SU1950-0DQ80-0AA0**		1	1 unit
 3SU1950-0DR80-0AA0	**Locking devices for selectors** Short/long actuator, in the center position	Metal	Silver	5	**3SU1950-0DR80-0AA0**		1	1 unit
 3SU1950-0DS80-0AA0	**Locking devices for selectors** Short/long actuator, in the right position	Metal	Silver	5	**3SU1950-0DS80-0AA0**		1	1 unit
 3SU1950-0DT80-0AA0	**Locking devices for selectors** Short/long actuator, window from center to right, blocked on left	Metal	Silver	5	**3SU1950-0DT80-0AA0**		1	1 unit
 3SU1950-0DU80-0AA0	**Locking devices for selectors** Short/long actuator, window from center to left, blocked on right	Metal	Silver	5	**3SU1950-0DU80-0AA0**		1	1 unit
 3SU1950-0DV80-0AA0	**Locking device with cover**	Metal	Silver	5	**3SU1950-0DV80-0AA0**		1	1 unit

Accessories

Actuators

Selection and ordering data

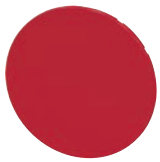
	Material	Mounting diameter	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		mm		d				
Sealing plugs[1], 22 mm								
 3SU1900-0FA10-0AA0	Plastic	22	Black	▶	**3SU1900-0FA10-0AA0**		1	1 unit
 3SU1950-0FA80-0AA0	Metal, matte	22	Sand gray	▶	**3SU1930-0FA80-0AA0**		1	1 unit
	Metal, shiny	22	Silver	▶	**3SU1950-0FA80-0AA0**		1	1 unit
	Metal, matte	30	Sand gray	▶	**3SU1960-0FA80-0AA0**		1	1 unit

[1] The sealing plug is mounted with a holder. Modules might already be mounted on the holder.

	Type of product	Mounting diameter	Accessory color	Accessory material	SD	**Screw terminals**	PU (UNIT, SET, M)	PS*
		mm			d	Article No. / Price per PU		
USB port								
  3SU1930-0GA80-0AA0	USB 3.0	22	Black	Plastic	3	**3SU1900-0GA10-0AA0**	1	1 unit
			Sand gray	Metal/plastic	3	**3SU1930-0GA80-0AA0**	1	1 unit
			Silver	Metal, shiny	3	**3SU1950-0GA80-0AA0**	1	1 unit
		30	Sand gray	Metal, matte	3	**3SU1960-0GA80-0AA0**	1	1 unit
  3SU1960-0GA80-0AA0								
RJ45 connection								
  3SU1900-0GB10-0AA0	RJ-45 Cat. 6	22	Black	Plastic	3	**3SU1900-0GB10-0AA0**	1	1 unit
			Sand gray	Metal/plastic	3	**3SU1930-0GB80-0AA0**	1	1 unit
			Silver	Metal, shiny	3	**3SU1950-0GB80-0AA0**	1	1 unit
		30	Sand gray	Metal, matte	3	**3SU1960-0GB80-0AA0**	1	1 unit
  3SU1950-0GB80-0AA0								

Accessories

Actuators

	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Buttons, flat[1]							
 3SU1900-0FT20-0AA0	***For pushbuttons***						
	Plastic	Black	▶	**3SU1900-0FT10-0AA0**		100	10 units
		Red	▶	**3SU1900-0FT20-0AA0**		100	10 units
		Yellow	▶	**3SU1900-0FT30-0AA0**		100	10 units
		Green	▶	**3SU1900-0FT40-0AA0**		100	10 units
		Blue	▶	**3SU1900-0FT50-0AA0**		100	10 units
		White	▶	**3SU1900-0FT60-0AA0**		100	10 units
 3SU1901-0FT30-0AA0	***For illuminated pushbuttons***						
	Plastic	Amber	5	**3SU1901-0FT00-0AA0**		100	10 units
		Red	▶	**3SU1901-0FT20-0AA0**		100	10 units
		Yellow	▶	**3SU1901-0FT30-0AA0**		100	10 units
		Green	▶	**3SU1901-0FT40-0AA0**		100	10 units
		Blue	▶	**3SU1901-0FT50-0AA0**		100	10 units
		White	▶	**3SU1901-0FT60-0AA0**		100	10 units
		Clear	▶	**3SU1901-0FT70-0AA0**		100	10 units
Buttons, raised[1]							
 3SU1900-0FS30-0AA0	***For pushbuttons***						
	Plastic	Black	5	**3SU1900-0FS10-0AA0**		1	10 units
		Red	5	**3SU1900-0FS20-0AA0**		1	10 units
		Yellow	5	**3SU1900-0FS30-0AA0**		1	10 units
		Green	5	**3SU1900-0FS40-0AA0**		1	10 units
 3SU1901-0FS40-0AA0	***For illuminated pushbuttons***						
	Plastic	Red	▶	**3SU1901-0FS20-0AA0**		1	10 units
		Yellow	5	**3SU1901-0FS30-0AA0**		1	10 units
		Green	5	**3SU1901-0FS40-0AA0**		1	10 units
		Blue	5	**3SU1901-0FS50-0AA0**		1	10 units
		Clear	5	**3SU1901-0FS70-0AA0**		1	10 units

[1] Buttons are not interchangeable between pushbuttons and illuminated pushbuttons with a raised front ring and with a raised front ring, castellated.

Accessories

Actuators

	Material	Key number	Version of RFID coding	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
RONIS keys									
 3SU1950-0FB80-0AA0	Metal	SB30[1)] 455	--	Silver	▶ 5	**3SU1950-0FB80-0AA0** **3SU1950-0FC80-0AA0**		1 1	1 unit 1 unit
BKS keys									
 3SU1950-0FD80-0AA0	Metal	S1[1)]	--	Silver	5	**3SU1950-0FD80-0AA0**		1	1 unit
O.M.R. keys									
 3SU1950-0FJ50-0AA0	Metal	73038 73037 73034 73033	--	Blue Red Black Yellow	3 5 5 5	**3SU1950-0FJ50-0AA0** **3SU1950-0FK20-0AA0** **3SU1950-0FL10-0AA0** **3SU1950-0FM30-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit
CES keys									
 3SU1950-0FP80-0AA0	Metal	LSG1 SSG10[1)] VL5	--	Silver	5 ▶ 5	**3SU1950-0FN80-0AA0** **3SU1950-0FP80-0AA0** **3SU1950-0FQ80-0AA0**		1 1 1	1 unit 1 unit 1 unit
IKON keys									
 3SU1950-0FR80-0AA0	Metal	360012K1[1)]	--	Silver	5	**3SU1950-0FR80-0AA0**		1	1 unit
ID keys ID group individual									
 3SU1900-0FU60-0AA0	Plastic	--	Individually coded, programmable several times	White	▶	**3SU1900-0FU60-0AA0**		1	1 unit
ID keys									
 3SU1900-0FV40-0AA0	Plastic	--	ID group 1 ID group 2 ID group 3 ID group 4	Green Yellow Red Blue	▶ ▶ ▶ ▶	**3SU1900-0FV40-0AA0** **3SU1900-0FW30-0AA0** **3SU1900-0FX20-0AA0** **3SU1900-0FY50-0AA0**		1 1 1 1	1 unit 1 unit 1 unit 1 unit

[1)] Also available with special lock. Supplement the Article No. with **"–Z"** and the order code **"Y04"** and specify the required lock in plain text. Additional price on request.

Accessories

Enclosures

Selection and ordering data

Product version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Metric cable glands							
 3SU1900-0HG10-0AA0							
M20 for round cable and enclosures With 1 to 3 command points	Plastic	Black	▶	**3SU1900-0HG10-0AA0**		1	1 unit
M25 for round cable and enclosure With 4 and 6 command points	Plastic	Black	5	**3SU1900-0HH10-0AA0**		1	1 unit
M20 for round cable and AS-i enclosure With 1 to 3 command points with 2-pin connector plug for AS-i module	Plastic	Black	3	**3SU1900-0JA10-0AA0**		1	1 unit
M25 for round cable and AS-i enclosure With 4 and 6 command points with 2-pin connector plug for AS-i module	Plastic	Black	3	**3SU1900-0JB10-0AA0**		1	1 unit
M20 for round cable and IO-Link enclosure With 1 to 3 command points with 10-pin connector plug for IO-Link	Plastic	Black	▶	**3SU1900-0JC10-0AA0**		1	1 unit
M25 for round cable and IO-Link enclosure With 4 and 6 command points with 10-pin connector plug for IO-Link	Plastic	Black	▶	**3SU1900-0JD10-0AA0**		1	1 unit
M20 for AS-i profile cable and AS-i enclosure With 1 to 3 command points with 2-pin connector plug for AS-i module	Plastic	Black	5	**3SU1900-0HE10-0AA0**		1	1 unit
M25 for AS-i profile cable and AS-i enclosure With 4 and 6 command points with 2-pin connector plug for AS-i module	Plastic	Black	5	**3SU1900-0HF10-0AA0**		1	1 unit
Connection pieces							
For plastic enclosures							
 3SU1900-0HJ10-0AA0							
M20/M20 connection piece For connecting 2 enclosures	Plastic	Black	▶	**3SU1900-0HJ10-0AA0**		1	1 unit
M20/M25 connection piece For connecting 2 enclosures	Plastic	Black	5	**3SU1900-0HK10-0AA0**		1	1 unit
M25/M25 connection piece For connecting 2 enclosures	Plastic	Black	5	**3SU1900-0HL10-0AA0**		1	1 unit
For metal enclosures							
 3SU1950-0HJ10-0AA0							
M20/M20 connection piece For connecting 2 enclosures	Metal	Silver	5	**3SU1950-0HJ10-0AA0**		1	1 unit
M20/M25 connection piece For connecting 2 enclosures	Plastic	Silver	5	**3SU1950-0HK10-0AA0**		1	1 unit
M25/M25 connection piece For connecting 2 enclosures	Plastic	Silver	5	**3SU1950-0HL10-0AA0**		1	1 unit

Accessories

Enclosures

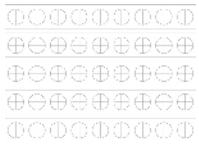
Product version	Material	Color	SD d	Insulation piercing method Article No.	PU (UNIT, SET, M) Price per PU	PS*
Adapters for AS-i shaped cable						
 3SU1900-0HX10-0AA0						
M20	Plastic	Black	3	**3SU1900-0HX10-0AA0**	1	1 unit
M25			3	**3SU1900-0HY10-0AA0**	1	1 unit
Adapters for tab connection						
For plastic enclosures						
 3SU1930-0HS10-0AA0						
Adapter, M12 socket, 4-pin						
M20 cable entry	Plastic	Black	5	**3SU1930-0HA10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1930-0HB10-0AA0**	1	1 unit
Adapter, M12 connector, 4-pin						
M20 cable entry	Plastic	Black	5	**3SU1930-0HC10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1930-0HD10-0AA0**	1	1 unit
Adapter, M12 socket, 5-pin						
M20 cable entry	Plastic	Black	5	**3SU1930-0HP10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1930-0HQ10-0AA0**	1	1 unit
Adapter, M12 connector, 5-pin						
M20 cable entry	Plastic	Black	5	**3SU1930-0HR10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1930-0HS10-0AA0**	1	1 unit
Adapter, M12 socket, 8-pin						
M20 cable entry	Plastic	Black	5	**3SU1930-0HT10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1930-0HU10-0AA0**	1	1 unit
Adapter, M12 connector, 8-pin						
M20 cable entry	Plastic	Black	5	**3SU1930-0HV10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1930-0HW10-0AA0**	1	1 unit
For metal enclosures						
 3SU1950-0HA10-0AA0						
Adapter, M12 socket, 4-pin						
M20 cable entry	Plastic	Black	5	**3SU1950-0HA10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1950-0HB10-0AA0**	1	1 unit
Adapter, M12 connector, 4-pin						
M20 cable entry	Plastic	Black	5	**3SU1950-0HC10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1950-0HD10-0AA0**	1	1 unit
Adapter, M12 socket, 5-pin						
M20 cable entry	Plastic	Black	5	**3SU1950-0HP10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1950-0HQ10-0AA0**	1	1 unit
Adapter, M12 connector, 5-pin						
M20 cable entry	Plastic	Black	5	**3SU1950-0HR10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1950-0HS10-0AA0**	1	1 unit
Adapter, M12 socket, 8-pin						
M20 cable entry	Plastic	Black	5	**3SU1950-0HT10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1950-0HU10-0AA0**	1	1 unit
Adapter, M12 connector, 8-pin						
M20 cable entry	Plastic	Black	5	**3SU1950-0HV10-0AA0**	1	1 unit
M25 cable entry			5	**3SU1950-0HW10-0AA0**	1	1 unit
Enclosure cover monitoring[1)]						
 3SU1900-0HM10-0AA0						
Module with extension plunger	Plastic	Black	3	**3SU1900-0HM10-0AA0**	1	1 unit

[1)] In addition, a 3SU1400-2AA10-.BA0 contact module is required.

Accessories

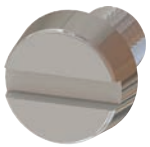
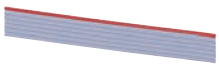
Miscellaneous accessories

Selection and ordering data

	Product designation Product version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Miscellaneous accessories								
 3SU1900-0KA10-0AA0	**PCB carriers**	Plastic	Black	5	**3SU1900-0KA10-0AA0**		100	10 units
 3SU1900-0CK10-0AA0	**Pressure plates for selectors and locks**	Plastic	White	►	**3SU1900-0KC10-0AA0**		100	10 units
 3SU1900-0KF10-0AA0	**Drilling template for grid** 30 x 40, horizontal	Plastic	Black	5	**3SU1900-0KF10-0AA0**		1	1 unit
 3SU1900-0KG10-0AA0	**Extension plungers** For compensation of the distance between the pushbutton and the unlatching button of an overload relay	Plastic	Gray	►	**3SU1900-0KG10-0AA0**		1	1 unit
 3SU1950-0JE80-0AA0	**Strut profile mounting adapters**	Metal	Sand gray	3	**3SU1950-0JE80-0AA0**		1	1 unit
 3SU1900-0JF10-0AA0	**Adapters for enclosures with 1 command point** Between enclosure top and bottom, for installation of 2-pole or two 1-pole contact modules with front plate mounting. Not suitable for 3SU1801-1AA00-1AA1.	Plastic	Black	5	**3SU1900-0JF10-0AA0**		1	1 unit
 3SU1900-0JG10-0AA0	**Adapters for modules with base mounting**	Plastic	Black	30	**3SU1900-0JG10-0AA0**		1	100 units

Accessories

Miscellaneous accessories

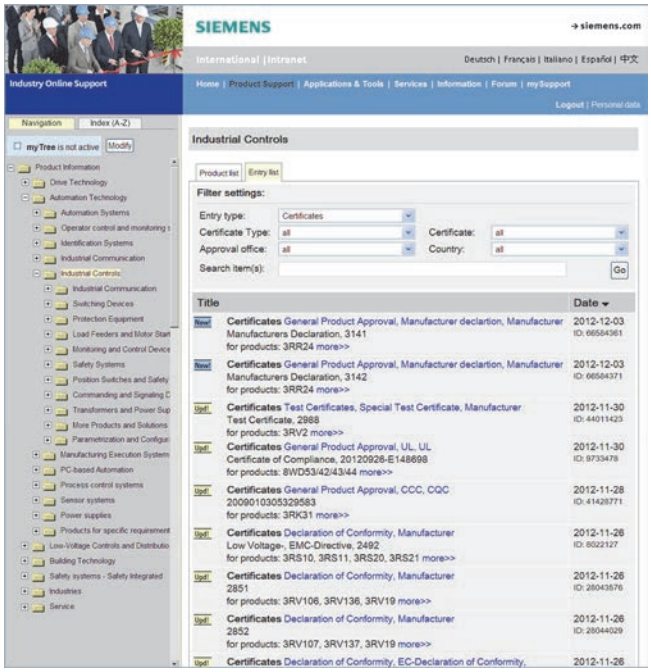
	Product designation Product version	Material	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Miscellaneous accessories								
 3SU1900-0KH80-0AA0	**Adapters for standard rail mounting**	Plastic	Black	►	**3SU1900-0KH80-0AA0**		1	1 unit
	Covers for modules Degree of protection IP54	Plastic	Clear	5	**3SU1900-0EW70-0AA0**		1	1 unit
 3SU1950-0KJ80-0AA0	**Adapters for actuators and indicators** With front ring for flat mounting	Metal	Silver	►	**3SU1950-0KJ80-0AA0**		1	1 unit
 3SU1950-0KB10-0AA0	**Adapters for 30.5 mm to 22.5 mm mounting hole**	Metal, shiny	Silver	►	**3SU1950-0KB10-0AA0**		1	1 unit
		Metal, matte	Sand gray	►	**3SU1960-0KB10-0AA0**		1	1 unit
 3SU1950-0KK80-0AA0	**Grounding studs**	Metal	Silver	5	**3SU1950-0KK80-0AA0**		100	50 units
 3SU1900-0KL10-0AA0	**Connectors for sensor switches, angled socket with screw terminal connection**	Plastic	Black	►	**3SU1900-0KL10-0AA0**		1	1 unit
 3SU1900-0KP80-0AA0	**Flat ribbon cable** 7 cores							
	• Length 5 m	Plastic	Gray	5	**3SU1900-0KQ80-0AA0**		1	1 unit
	• Length 10 m	Plastic	Gray	5	**3SU1900-0KP80-0AA0**		1	1 unit

Standards and approvals

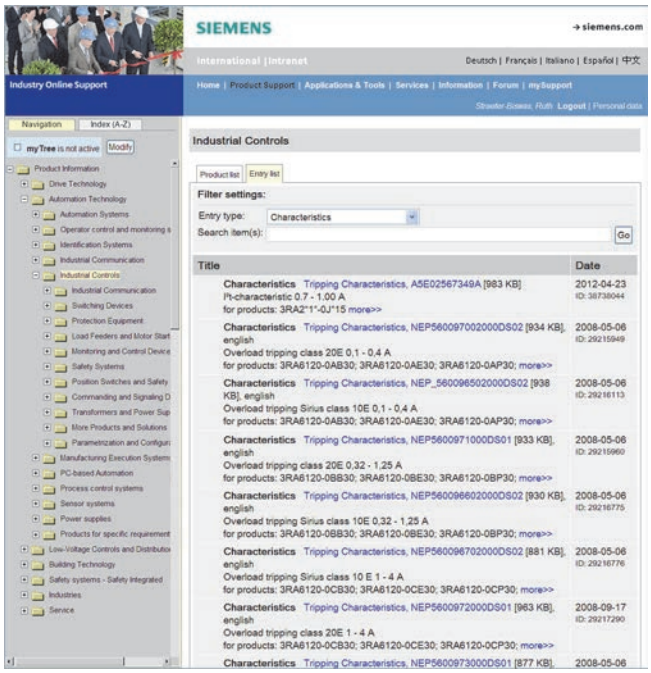
Approvals, test certificates, characteristic curves

An overview of the certificates available for Industrial Control products along with more technical documentation can be consulted daily on the Internet at:

www.siemens.com/sirius/approvals



Product support: Approvals/certificates



Product support: Characteristics

Safety characteristics

In the following standards, the so-called B10 values for calculating the safety integrity or safety integrity level (SIL) in functional safety at a high or continuous demand rate are required also for electromechanical switchgear:

- IEC 62061 "Safety of machines – Functional safety of safety-related electrical, electronic and programmable electronic control systems",
- ISO 13849-1 "Safety of machines – Safety-related components of controls – Part 1: General principles".

Failure rates of electromechanical components are required for calculating the safety integrity or safety integrity level (SIL) in functional safety:

- in the manufacturing industry at a high demand rate
- in the process industry at a low demand rate

Further requirements are laid down in IEC 61511-1 "Functional safety – Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and software requirements".

The German versions of the above standards are:

- EN 62061 (VDE 0113-50), 2005 + AMD 1:2013, which since 31.12.2005 has been harmonized as EN 62061 under the Machinery Directive
- EN ISO 13849-1:2008
- EN 61511-1 (VDE 810-1)

The TÜV-tested Safety Evaluation Tool assists in calculating the safety function as verification for the machine documentation. It is available on the Internet at www.siemens.com/safety-evaluation-tool.

At www.siemens.com/safety-integrated you will also find examples of functions with calculations according to the current standards.

Definitions

$\lambda\ (t)\ dt$ is the probability that a unit which has not failed by a certain time t will fail in the following interval ($t;\ t + dt$).
Failure rates have the dimension 1/time unit, e.g. 1/h.
Failure rates for components are often specified in FIT (failures in time unit): 1 FIT equals 10^{-9}/h.
From the failure rate it is possible to derive a (mathematical) distribution function of the failure probability:

$F(t) = 1 - \exp(-\lambda t)$, with λ as constant failure rate

- The mean value of this exponential distribution is also referred to as:
  - Mean Time To Failure (MTTF) in the case of irreparable components; 63.2 % of components fail by the MTTF.
  - Mean Operating Time Between Failures (MTBF) in the case of reparable components.
- $MTTF = 1/\lambda$
  (MTTF is a statistical mean value but no guarantee for endurance)

Electromechanical components are often irreparable components. In general, the failure rate of monitored units changes with age.

Standards and approvals

The B10 value for devices subject to wear is expressed in number of operating cycles:

- it is the number of operating cycles after which 10 % of the test specimens fail in the course of an endurance test (or: the number of operating cycles after which 10 % of the devices have failed).

For low demand rates (mainly in the process industry), the failure rate and not the B10 value is used to determine the failure probability.

Standard B10 values at a high demand rate

With the help of the B10 value and a simplified formula (see section 6.7.8.2.1 of EN 62061), the user can then calculate the total failure rate of an electromechanical component:

$\lambda = 0.1 \times C/B10$

with C = operating cycles per hour. C is specified by the user.

The failure rate is made up of safe (λ_S) and dangerous (λ_D) failures:

$\lambda = \lambda_S + \lambda_D$

or

λ_D = [share of dangerous failures in %] x λ

λ_S = [share of safe failures in %] x λ

The failure rate of the dangerous failures λ_D of the components used is needed for further calculations.

Listed in the following table are the standard B10 values and the share of dangerous failures for SIRIUS product groups at a high demand rate.

Standard B10 values (at a high demand rate)

SIRIUS ACT product group (electromechanical components)	Standard B10 value[1] (operating cycles)	Share of dangerous failures
3SU1 EMERGENCY-STOP mushroom pushbuttons (with positive-opening contacts)	100 000	20 %
3SU1 pushbuttons (non-latching, with positive-opening contacts)	10 000 000	20 %

1) Only applies under the conditions specified in the technical specifications.

The $B10_d$ value used in EN ISO 13849-1:2008 is determined as follows:

$$B10_d = \frac{B10}{\text{Share of dangerous failures}}$$

Calculation example

A protective door is monitored by a position switch with a separate actuator.

The protective door is opened 4 times an hour.

The overall failure rate of the position switch is:

$\lambda = 0.1 \cdot C/B10$ [failures/h]
$\lambda = 0.1 \cdot 4/1000000 = 4 \cdot 10^{-7}$ [failures/h]

The dangerous failure rate is calculated with:

λ_D = 20 % of $\lambda = 0.2 \cdot 4 \cdot 10^{-7}$ [failures/h]
$\lambda_D = 8 \cdot 10^{-8}$ [failures/h]

Standard failure rates (at a low demand rate)

On the basis of the failure rates, it is possible to calculate the average probability of failure on demand (PFD_{avg}) of a PLT protective device.

A so-called low demand rate is assumed, meaning the rate of demand on the safety-related system amounts to no more than once a year and is not greater than double the frequency of the repeat test.

A repeat test once a year is recommended for electromechanical components in order to reveal passive faults.

For special applications it is possible, in agreement with the inspecting institution (e.g. a technical inspectorate, government agency or the like) to extend the test intervals by using suitable solutions (e.g. a multi-channel version etc.).

Listed in the following table are the standard failure rates and the share of dangerous failures for SIRIUS product groups at a low demand rate.

Standard failure rates at a low demand rate

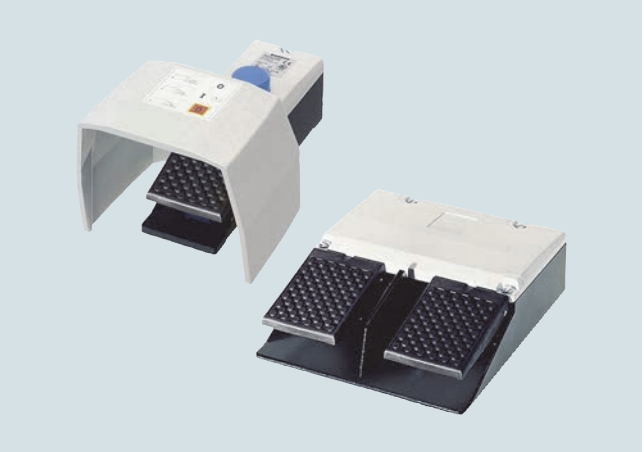
SIRIUS ACT product group (electromechanical components)	Standard failure rates (in FIT)[1]	Share of dangerous failures
3SU1 EMERGENCY-STOP mushroom pushbuttons (with positive-opening contacts)	100	20 %
3SU1 pushbuttons (non-latching, with positive-opening contacts)	100	20 %

1) The failure rates specified in the table were limited to 100 FIT.

3SE2, 3SE3 Foot Switches

Plastic and metal enclosures

Overview



3SE29 foot switch with metal enclosure

More information

Homepage, see www.siemens.com/sirius-commanding
Industry Mall, see www.siemens.com/product?3SE2
Manual, see https://support.industry.siemens.com/cs/ww/en/view/107194954

Standard switches

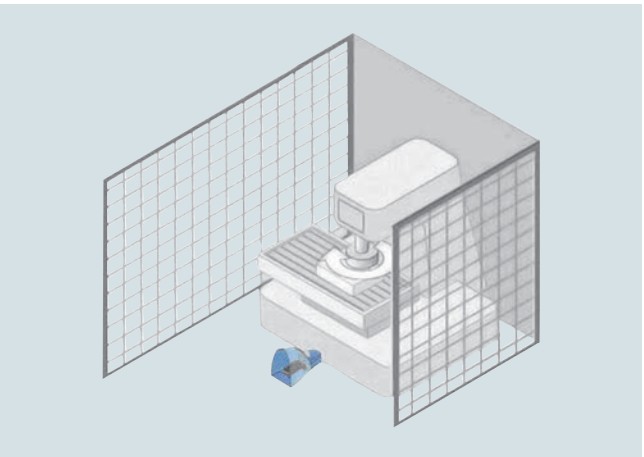
The 3SE29 and 3SE39 foot switch range encompasses versions in a metal enclosure for rugged applications as well as versions with plastic enclosure for less harsh environments. The devices can be supplied with or without a cover and have fixing holes for them to be screwed to the floor.

Depending on the particular application, the metal enclosures can be ordered with contact blocks in latching or momentary-contact versions. The momentary-contact pedal switch in the plastic enclosure has one microswitch (changeover contact) per actuating pedal.

Safety foot switches

The 3SE2924-3AA20 single-pedal safety foot switches are used on machines and plants as OK switches when operation by hand is not possible. The switches have an interlocking function.

The safety foot switches are protected by a guard hood against accidental operation.



Application example

The switches have two contact blocks, each with one NO contact and one NC contact. The NO contacts and NC contacts of the two contact blocks are connected for easy connection of a single-phase motor. The normal workflow is initiated by pressing down the pedal as far as the pressure point so that the two NO contacts close and the motor starts to run.

If in the event of danger the pedal is pressed beyond the resistance of the pressure point, the positively driven NC contacts will open and the motor is stopped. At the same time the independent latching takes effect and holds the NC contacts in open position. This prevents the machine parts from continuing to run out of control or from being restarted.

After the hazard is eliminated, the machine can only be restarted after manually releasing the switch using a pushbutton on the top of the enclosure. The contacts are then released again and return to their initial position (the NO contacts are open and the NC contacts are closed).

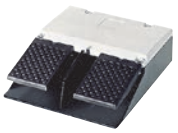
Technical specifications

Type		3SE29	3SE39
Metal and plastic enclosures			
Standards		IEC 60947-5-1	
Electrical load			
• At AC-15, 400 V			
- 1 NO + 1 NC	A	10	--
- 2 NO + 2 NC	A	6	--
- 3SE2924-3AA20 (2 NO + 2 NC)	A	10	--
• At 250 V AC	A	–	5
Short-circuit protection			
- 1 NO + 1 NC	A	10 (slow)	--
- 2 NO + 2 NC	A	6 (slow)	--
- 3SE2924-3AA20 (2 NO + 2 NC)	A	10 (slow)	--
- 1 CO contact	A	--	5 (slow)
Mechanical endurance		> 10^6 operating cycles	
Material			
• Enclosures		Aluminum casting	Impact-resistant thermoplast, self-extinguishing according to UL 94 VO
• Covers		Thermoplast	–
• Guard hoods		Aluminum casting	Metal
Degree of protection		IP65	IP65
Ambient temperature	°C	-25 ... +80	-10 ... +75
Connection		Cable entry, metric	Cable AWG20, UL Style 2464, length 3 m

3SE2, 3SE3 Foot Switches

Plastic and metal enclosures

Selection and ordering data

	Version	Slow-action contacts for each pedal	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Metal enclosures, degree of protection IP65							
 3SE290.-.AA20 3SE291.-.AA20	**Momentary-contact foot switches, single pedal, non-latching** M20 x 1.5 cable entry						
	• Without hood	1 NO + 1 NC ⊖	2	**3SE2902-0AB20**		1	1 unit
		2 NO + 2 NC ⊖	10	**3SE2903-1AB20**		1	1 unit
	• With hood	1 NO + 1 NC ⊖	2	**3SE2902-0AA20**		1	1 unit
		2 NO + 2 NC ⊖	2	**3SE2903-1AA20**		1	1 unit
 3SE2932-.AB20	**Momentary-contact foot switches, single pedal, latching** M20 x 1.5 cable entry						
	• Without hood	1 NO + 1 NC ⊖	15	**3SE2912-2AB20**		1	1 unit
	• With hood	1 NO + 1 NC ⊖	15	**3SE2912-2AA20**		1	1 unit
 3SE2932-.AA20	**Momentary-contact foot switches, two pedals, non-latching** M25 x 1.5 cable entry						
	• Without hood	1 NO + 1 NC ⊖	15	**3SE2932-0AB20**		1	1 unit
		2 NO + 2 NC ⊖	15	**3SE2932-1AB20**		1	1 unit
	• With hood	1 NO + 1 NC ⊖	5	**3SE2932-0AA20**		1	1 unit
		2 NO + 2 NC ⊖	5	**3SE2932-1AA20**		1	1 unit
 3SE2924-3AA20	**Safety momentary-contact foot switches, non-latching, single pedal** With hood M20 x 1.5 cable entry with interlocking function NO closes as momentary contact type NC opens with automatic latching (safety function)	2 NO + 2 NC ⊖	15	**3SE2924-3AA20**		1	1 unit
Plastic enclosures, degree of protection IP65							
 3SE3902-4CA20	**Momentary-contact pedal switches**, 3 m cable	Microswitch					
	• Single pedal						
	- Without hood	1 CO contact	5	**3SE3902-4CB20**		1	1 unit
	- With hood	1 CO contact	10	**3SE3902-4CA20**		1	1 unit
 3SE3934-5CB20	• Two pedals, without hood	2 × 1 CO	10	**3SE3934-5CB20**		1	1 unit
Accessories							
	Protection cover Single pedal foot switch for 3SE2912-2AA20, 3SE2902-0AA20 and 3SE2903-1AA20	--	20	**3SE3980-8M**		1	1 unit
	Contact block, Supersedes momentary-contact foot switch 3SE2903-1A.20[1] and 3SE2932-1A.20[3]	1 NO + 1 NC	X	**3SE3982-0K**		1	1 unit
	Contact block, Supersedes momentary-contact foot switch 3SE2902-0A.20 and 3SE2932-0A.20[2]	1 NO + 1 NC	X	**3SE3982-0L**		1	1 unit
	Contact block, 16 A, Supersedes momentary-contact foot switch 3SE2924-3AA20[1]	1 NO + 1 NC	X	**3SE3982-7J**		1	1 unit
	Contact block, 16 A, Supersedes momentary-contact foot switch 3SE2912-2A.20	1 NO + 1 NC	30	**3SE3982-7L**		1	1 unit

⊖ Positive opening according to IEC 60947-5-1, Annex K.

[1] Number of contact blocks required for the foot switch = 2

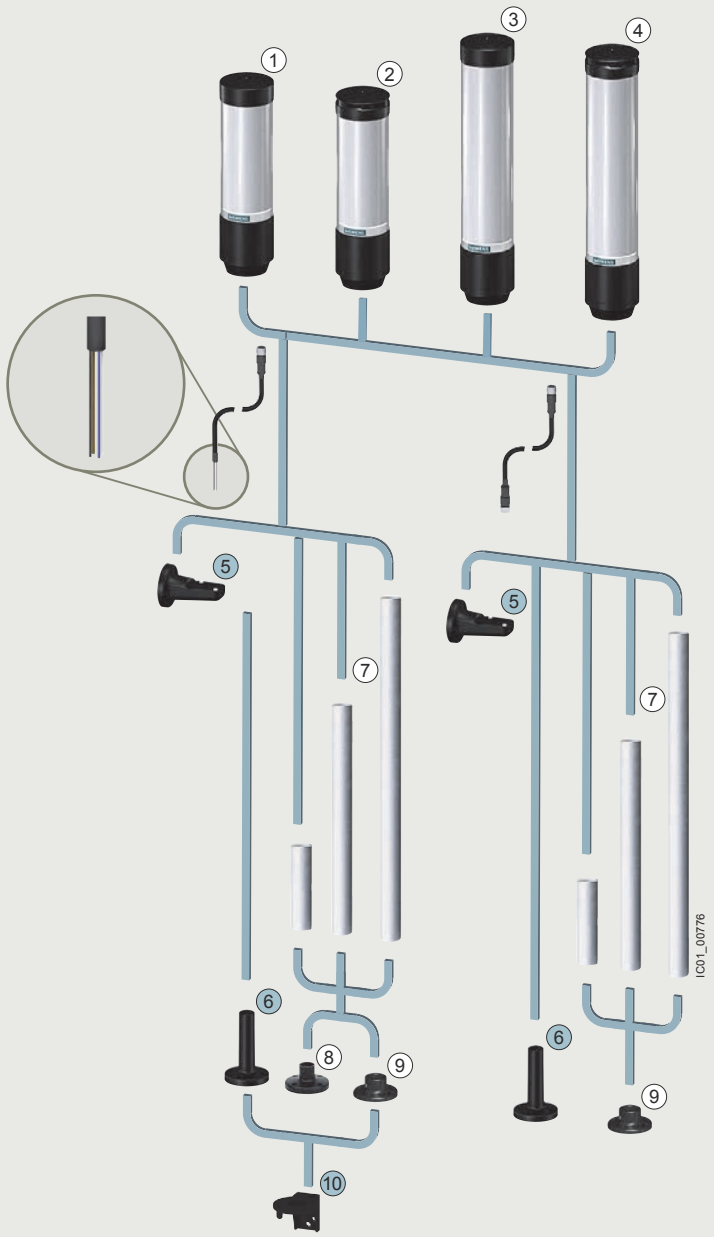
[2] Number of contact blocks required per pedal = 1.

[3] Number of contact blocks required per pedal = 2

SIRIUS 8WD4 signaling columns

Electronically configurable 8WD46 signaling columns, 70 mm diameter NEW

Overview



Signaling column with 9 segments

(1) Without acoustic signaling:
Conventional signaling column 8WD4613-5HH37/
Signaling column for IO-Link 8WD4613-5HH47

(2) With acoustic signaling:
Conventional signaling column 8WD4613-5JH37/
Signaling column for IO-Link 8WD4613-5JH47

Signaling column with 15 segments

(3) Without acoustic signaling:
Conventional signaling column 8WD4615-5HH37/
Signaling column for IO-Link 8WD4615-5HH47

(4) With acoustic signaling:
Conventional signaling column 8WD4615-5JH37/
Signaling column for IO-Link 8WD4615-5JH47

Accessories

(5) Bracket for wall mounting 8WD4618-0CA

(6) Foot with tube 8WD4618-0DA

(7) Tube 8WD4208-0EF/8WD4308-0E

(8) Foot for tube mounting (≤ 400 mm)

(9) Foot for tube mounting (> 400 mm)

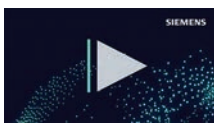
(10) Bracket for mounting on feet

Degree of protection IP66/IP69 (IP69K)

8WD46 signaling column with up to 15 segments

More information

Homepage, see www.siemens.com/sirius-signaling-columns
Industry Mall, see www.siemens.com/product?8WD4
Manual, see
https://support.industry.siemens.com/cs/ww/en/view/109810633
Operating Instructions, see
https://support.industry.siemens.com/cs/ww/en/view/109810488



Video:
SIRIUS 8WD46 signaling column – Electronics can be individually configured

SIRIUS 8WD4 signaling columns

Electronically configurable 8WD46 signaling columns, 70 mm diameter NEW

The electronically configurable 8WD46 signaling columns are flexible in design and versatile in use thanks to their new compact and electronically modular design.

Features:

- Thermoplast enclosure, diameter 70 mm
- With 9 or 15 segments (number of segments adjustable for each block)
- With or without acoustic element
- Degree of protection IP66/IP69 (IP69K)

Two product series are available:

- Conventional signaling columns
  - Configuration of signaling column via USB interface
  - Fast connection of the signaling column to the application via 8-pole M12 plug
- Signaling columns for IO-Link
  - Configuration of signaling column via IO-Link interface (IODD)
  - Fast connection of the signaling column to the application via 4-pole M12 plug

Mounting options

Tube mounting	Wall mounting	Floor mounting
		
Foot with integrated tube	Bracket for single-sided mounting	Floor mounting without accessories

Benefits

- Choice of various light and acoustic signals with different functions:
  Continuous light, blinklight, flashlight and rotating light; siren
- Light elements with particularly long-lasting LEDs
- Variety of colors: > 1 million colors
- Optimized homogeneous illumination thanks to improved diffuser technology
- Acoustic signals can be adjusted in tone and volume
- Extremely resistant to shock and vibrations
- Simple configuration and fast connection using M12 plugs
- No wiring required
- No special tools needed
- Fewer versions thanks to electronic modularity
- Communication-capable through connection to IO-Link

Application

8WD46 signaling columns are used in machines or in automatic processes for monitoring complex procedures or as visual or acoustic warning devices in emergency situations, e.g. for displaying individual assembly stages.

Communication capability

IODD (IO Device Description)

The IO Device Description (IODD) has been defined to provide a full, transparent description of system characteristics as far as the IO-Link device. The IODD contains information on communication characteristics, device parameters, identification, process and diagnostics data.

The IODD for signaling columns for IO-Link is available at the link below, see

https://support.industry.siemens.com/cs/ww/en/view/109807683.

Connection

Conventional signaling columns

Wiring of the signaling elements using screw or spring-loaded terminals is not required. The signaling column is connected via an 8-pole M12 plug.

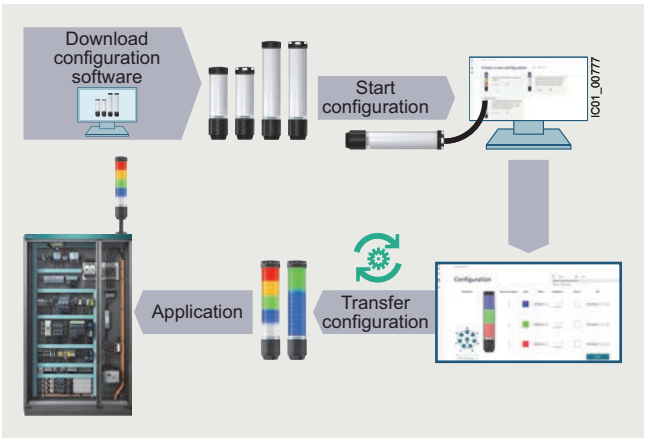
Signaling columns for IO-Link

The signaling column is connected via a 4-pole M12 plug.

SIRIUS 8WD4 signaling columns

Electronically configurable 8WD46 signaling columns, 70 mm diameter NEW

Configuration



Simple and fast configuration

Conventional signaling columns

Configuration options via configuration software and transfer via USB interface, see https://support.industry.siemens.com/cs/ww/en/view/109807684.

Signaling columns for IO-Link

Configuration options via IO-Link. The setting is made via the IO Device Description (IODD), see Communication capability.

Optical configuration options

Colors	Intensity	Light pattern
Ten different colors • Eight preset colors: - Red - Green - Yellow - Blue - White - Turquoise - Violet - Light yellow • > 1 million colors can be configured	The brightness can be adjusted for each block.	Optical signal profiles: • Blinklights • Flashlights (single, double and triple-flash lights) • Continuous lights • Rotating lights One light pattern per block can be selected.

Acoustic configuration options (siren)

Tones	Volume
Ten different tones can be set	• 80 to 105 dB • Four different volume levels can be set

Various operating modes

Signaling column mode	Automatic scaling mode	Level mode	Individual mode
			

Individual configuration of light pattern, color, brightness and acoustic signals

Signaling column mode

Individual segments can be connected to form a block. The blocks have fixed positions and may be off if the corresponding block and the optical signal are not activated.

Automatic scaling mode

The segments are automatically and uniformly distributed among the number of controlled pins and status messages. If the segments cannot be uniformly distributed, the color with the highest priority will be assigned to the last segment.

Level mode

- The segments are used as level indicators.
- From 0% (all segments are switched off) up to 100% (all segments are activated).

Examples: Order progress, liquid tank, material quantity

Individual mode

Each segment can be set and controlled individually, thus allowing for a maximum range of individual signaling options.

SIRIUS 8WD4 signaling columns

Electronically configurable 8WD46 signaling columns, 70 mm diameter NEW

Technical specifications

Version		Conventional signaling columns				Signaling columns for IO-Link			
Type		8WD4613-5HH37	5JH37	8WD4615-5HH37	5JH37	8WD4613-5HH47	5JH47	8WD4615-5HH47	5JH47
General data									
Approvals		cULus, EAC, CE							
Operational voltage type		DC							
Operational voltage at DC	V	24							
Relative positive tolerance of the operational voltage	%	10				20			
Relative negative tolerance of the operational voltage	%	10				20			
Insulation voltage (U_i)	V	50							
Impulse withstand voltage (U_{imp})	V	330							
Operational current	mA	335	405	555	620	335	405	555	620
Current consumed, minimum	mA	65		95		65		95	
Inrush current	mA	800							
Type of external power supply required		SELV/PELV extra-low voltage							
Overvoltage category		I							
Pollution degree		3							
Letter code according to IEC 81346-2:2019		P							
Equipment protection class according to IEC 61140		III							
Type of interface for parameterization		USB-C				IO-Link			
Type of parameterization		Software				IODD			
Optical signal									
Light source integrated in product		Yes							
Type of light source		RGB-LED, multi-color							
LED service life	h	50 000							
Color of calotte		Clear							
Number of light segments		9		15		9		15	
Number of settable colors		1 000 000							
Type of optical signal		Blink, flash, continuous, double flash, triple flash, rotating							
Product function: Settable optical signal		Yes							
Product function: Settable luminous intensity		Yes							
Default number of signal blocks		3		5		3		5	
Default type of signal blocks									
• 1		Green/ continuous light/ 3 light segments		White/ continuous light/ 3 light segments		Green/ continuous light/ 3 light segments		White/ continuous light/ 3 light segments	
• 2		Yellow/ continuous light/ 3 light segments		Blue/ continuous light/ 3 light segments		Yellow/ continuous light/ 3 light segments		Blue/ continuous light/ 3 light segments	
• 3		Red/ continuous light/ 3 light segments		Green/ continuous light/ 3 light segments		Red/ continuous light/ 3 light segments		Green/ continuous light/ 3 light segments	
• 4		--		Yellow/ continuous light/ 3 light segments		--		Yellow/ continuous light/ 3 light segments	
• 5		--		Red/ continuous light/ 3 light segments		--		Red/ continuous light/ 3 light segments	
Flash frequency	Hz	1							
Blink frequency									
• 1	Hz	1							
• 2	Hz	2							
• 3	Hz	3							

SIRIUS 8WD4 signaling columns

Electronically configurable 8WD46 signaling columns, 70 mm diameter NEW

Version		Conventional signaling columns				Signaling columns for IO-Link			
Type		8WD4613-5HH37	8WD4613-5JH37	8WD4615-5HH37	8WD4615-5JH37	8WD4613-5HH47	8WD4613-5JH47	8WD4615-5HH47	8WD4615-5JH47
Acoustic signal									
Type of acoustic signal		--	Multi-tone	--	Multi-tone	--	Multi-tone	--	Multi-tone
Default type of acoustic signal		--	Continu-ous tone	--	Continu-ous tone	--	Continu-ous tone	--	Continu-ous tone
Product function: Settable acoustic signal		No	Yes	No	Yes	No	Yes	No	Yes
Service life of the acoustic signaling device	h	--	5 000	--	5 000	--	5 000	--	5 000
Volume level	dB	--	80 ... 105	--	80 ... 105	--	80 ... 105	--	80 ... 105
Default volume level	dB	--	80	--	80	--	80	--	80
Number of settable tones		--	10	--	10	--	10	--	10
Default tone frequency	kHz	--	2.7	--	2.7	--	2.7	--	2.7
Tone frequency of alternating tone	kHz	--	0.245 ... 6	--	0.245 ... 6	--	0.245 ... 6	--	0.245 ... 6
Communication									
IO-Link mode		--				24-bit output			
Type of connectable IO device		--				Signaling column			
IO-Link transfer rate		--				COM 3			
Protocol is supported IO-Link protocol		No				Yes			
Number of IO-Link ports		--				1			
Point-to-point cycle time between the master and the IO-Link device, minimum		--				6			
Enclosures									
Height	in.	10.66		14.64		10.66		14.64	
Width	in.	2.83							
Outer diameter	in.	∅ 2.83							
Material		PC							
Color of enclosure		Black							
Mounting type		Floor mounting, tube mounting, bracket mounting							
Degree of protection IP		IP66/IP69K							
Degree of protection according to NEMA		4/4X/12/13							
Type of electrical connection		M12 plug, 8-pole				M12 plug, 4-pole			
Ambient conditions									
Ambient temperature during operation	°F	-22 ... +140							

SIRIUS 8WD4 signaling columns

Electronically configurable 8WD46 signaling columns, 70 mm diameter NEW

Selection and ordering data

	Type of acoustic signal	Number of light segments	Default number of signal blocks	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Conventional signaling columns · With M12 plug, 8-pole · 24 V DC							
	Without acoustics						
 8WD4613-5HH37  8WD4615-5HH37	--	9	3	**8WD4613-5HH37**		1	1 unit
		15	5	**8WD4615-5HH37**		1	1 unit
	With acoustics						
 8WD4613-5JH37  8WD4615-5JH37	Multi-tone	9	3	**8WD4613-5JH37**		1	1 unit
		15	5	**8WD4615-5JH37**		1	1 unit
Signaling columns for IO-Link · With M12 plug, 4-pole · 24 V DC							
	Without acoustics						
 8WD4613-5HH47  8WD4615-5HH47	--	9	3	**8WD4613-5HH47**		1	1 unit
		15	5	**8WD4615-5HH47**		1	1 unit
	With acoustics						
 8WD4613-5JH47  8WD4615-5JH47	Multi-tone	9	3	**8WD4613-5JH47**		1	1 unit
		15	5	**8WD4615-5JH47**		1	1 unit

SIRIUS 8WD4 signaling columns

Electronically configurable 8WD46 signaling columns, 70 mm diameter NEW

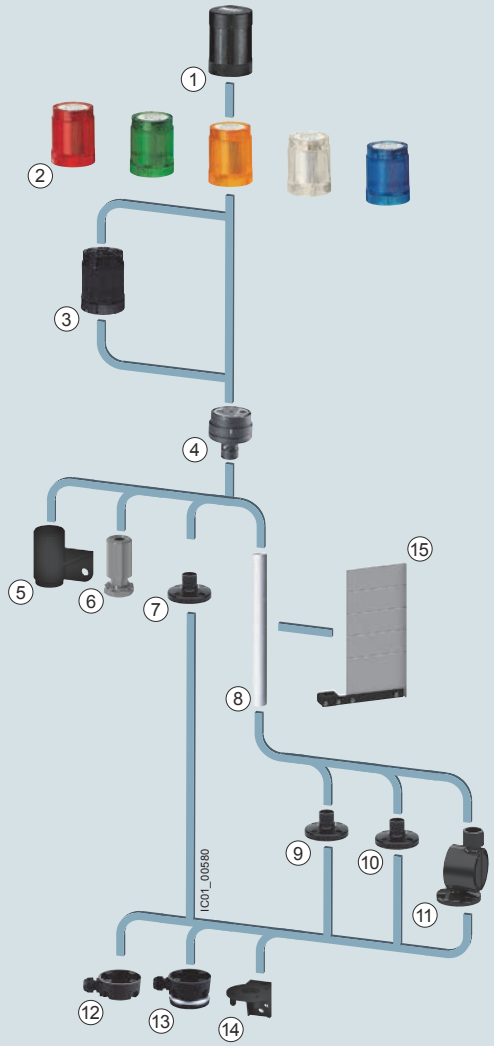
	Version	Color	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Accessories						
 8WD4..8-0DA	**Foot with tube**					
	Tube length 100 mm					
	• Standard	Black	**8WD4308-0DA**		1	1 unit
	• Degree of protection IP66/IP69 (IP69K)	Black	**8WD4618-0DA**		1	1 unit
 8WD4308-0DB	**Foot, single**					
	• Plastic, for tube mounting, for tube lengths 400 mm	Black	**8WD4308-0DB**		1	1 unit
 8WD4308-0DC	• Metal, for tube lengths > 400 mm	Black	**8WD4308-0DC**		1	1 unit
 8WD4208-0EF	**Tubes, single**					
	• Length 100 mm	Silver	**8WD4208-0EF**		1	1 unit
	• Length 150 mm	Silver	**8WD4308-0EE**		1	1 unit
	• Length 250 mm	Silver	**8WD4308-0EA**		1	1 unit
	• Length 400 mm	Silver	**8WD4308-0EB**		1	1 unit
	• Length 1 000 mm	Silver	**8WD4308-0ED**		1	1 unit
 8WD4408-0CC	**Brackets for mounting on feet**	Black	**8WD4408-0CC**		1	1 unit
 8WD4..8-0CA	**Brackets for wall mounting** (mounting without feet and tube)					
	For single-sided mounting					
	• Standard	Black	**8WD4308-0CA**		1	1 unit
	• Degree of protection IP66/IP69 (IP69K)	Black	**8WD4618-0CA**		1	1 unit
	Connecting cables					
	• Length 5 m					
 3SX5601-3SB54	- With M12 socket, 4-pole and open end		**3SX5601-3SB54**		1	1 unit
	• Length 1 m					
 3SX5601-3SV15	- With M12 socket, 5-pole and M12 plug, 5-pole		**3SX5601-3SV15**		1	1 unit
 3SX5601-3SV18	- With M12 socket, 8-pole and M12 plug, 8-pole		**3SX5601-3SV18**		1	1 unit

8WD4 Signaling Columns

General Data

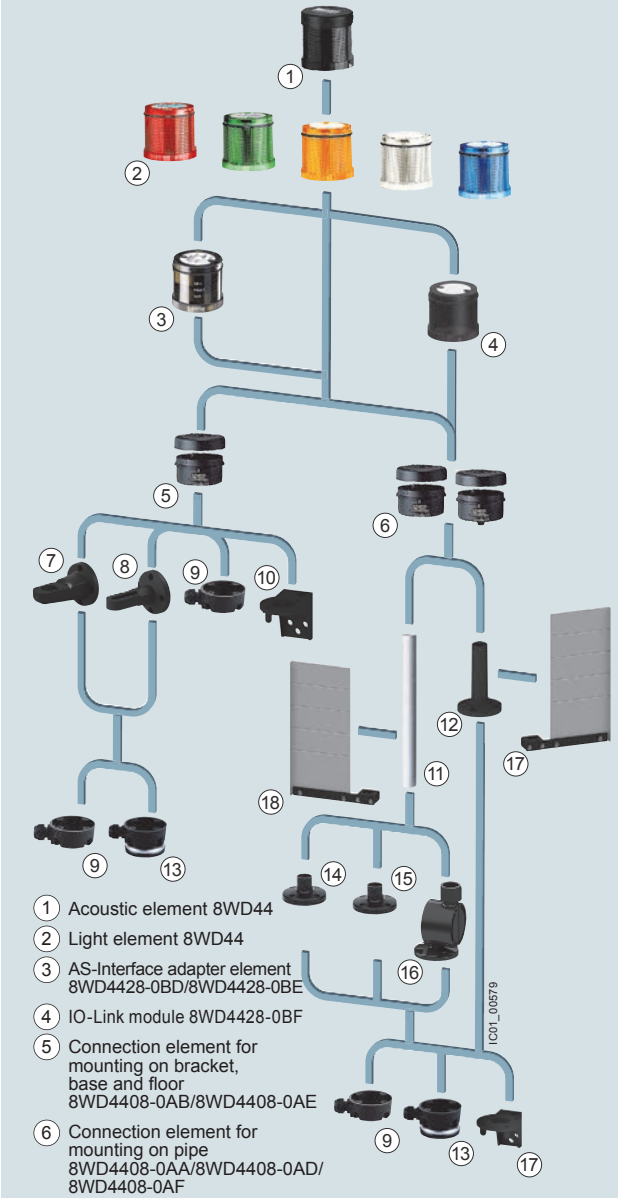
Overview

The 8WD4 signaling columns are flexible in design and versatile in use.



1 Acoustic element 8WD42.0-0FA
2 Light element 8WD42
3 AS-Interface adapter element 8WD4228-0BB
4 Connection element 8WD4208-0AA
5 Bracket for wall mounting 8WD4208-0CD
6 Adapter for single-hole mounting 8WD4208-0EH
7 Foot for base mounting 8WD4208-0DE
8 Pipe 8WD4208-0EF/8WD4308-0E.
9 Foot for mounting with pipe 8WD4308-0DB
10 Foot for mounting with pipe (> 400 mm) 8WD4308-0DC
11 Adjustable-angle foot for mounting on pipes 8WD4408-0DF
12 Socket 8WD4308-0DD
13 Socket (magnetic fixing) 8WD4308-0DE
14 Bracket for mounting with foot 8WD4408-0CC
15 Optional 8WD4408-0FA labeling panel

8WD42 signaling column (width 50 mm) with up to 4 elements



1 Acoustic element 8WD44
2 Light element 8WD44
3 AS-Interface adapter element 8WD4428-0BD/8WD4428-0BE
4 IO-Link module 8WD4428-0BF
5 Connection element for mounting on bracket, base and floor 8WD4408-0AB/8WD4408-0AE
6 Connection element for mounting on pipe 8WD4408-0AA/8WD4408-0AD/ 8WD4408-0AF
7 Bracket for wall mounting 8WD4308-0CA
8 Bracket for wall mounting (two-sided) 8WD4308-0CB
9 Socket 8WD4308-0DD
10 Bracket for base mounting 8WD4408-0CD
11 Pipe 8WD4208-0EF/8WD4308-0E.
12 Foot with pipe 8WD4308-0DA
13 Socket (magnetic fixing) 8WD4308-0DE
14 Foot for mounting with pipe 8WD4308-0DB
15 Foot for mounting with pipe (> 400 mm) 8WD4308-0DC
16 Adjustable-angle foot for mounting on pipes 8WD4408-0DF
17 Bracket for mounting with foot 8WD4408-0CC
18 Optional 8WD4408-0FA labeling panel

8WD44 signaling column (width 70 mm) with up to 5 elements

8WD4 Signaling Columns

General Data

More information

Homepage, see www.siemens.com/sirius-commanding
Industry Mall, see www.siemens.com/product?8WD4
Manual, see https://support.industry.siemens.com/cs/ww/en/view/107194954

Two product series are available:

- 8WD42
  - Thermoplast enclosure, diameter 50 mm
  - Degree of protection IP54
  - Up to 4 elements can be mounted between the connection element and the cover
- 8WD44
  - Thermoplast enclosure, diameter 70 mm
  - Advanced design and significantly improved illumination
  - Fast and flexible connection using spring-type terminals
  - Integrated degree of protection IP65
  - Up to 5 elements can be mounted between the connection element and the cover



Signaling columns, mounting examples

The illustrated examples are from the left:

- 8WD42: Cover (without No.), four light elements ②, connection element ④, pipe ⑧, foot ⑨
- 8WD44: Acoustic element with cover ①, two light elements ②, connection element ⑤, foot with pipe ⑪
- 8WD44: Cover (without No.), four light elements ②, AS-Interface adapter element ③, connection element ④, bracket for wall mounting ⑥
- 8WD44: Cover (without No.), three light elements ②, AS-Interface adapter element ③, connection element ⑤, foot with pipe ⑪

Note:

The cover is supplied with the connection element.

Benefits

- Choice of various light and acoustic elements with different functions:
  Continuous light, blinklight, flashlight and rotating light; buzzer and siren
- Light elements with particularly long-lasting LEDs
- Variety of colors: red, yellow, green, white or blue
- Optimized illumination through improved prism technology with the 8WD44
- Acoustic elements can be adjusted in tone and volume
- Extremely resistant to shock and vibrations
- Easy connection and quick lamp change with secure bayonet mechanism
- Communication capability through connection to AS-Interface

Application

8WD4 signaling columns are used in machines or in automatic processes for monitoring complex procedures or as visual or acoustic warning devices in emergency situations, e.g. for displaying individual assembly stages.

Communication capability

Connection to AS-Interface

The 8WD4 signaling columns can be directly connected to the AS-Interface bus system through an adapter element that can be integrated in the column. Wiring outlay is reduced as the result. The two-wire bus cable is fixed to the terminals in the connection element. Up to four signaling elements can be mounted on it using an adapter element.

A/B technology enables the connection of up to 62 slaves on one AS-Interface system.

Connection

The signaling elements are wired up using terminals in the connection element, screw terminals on the 8WD42 and screw or spring-type terminals on the 8WD44.

Cable outlet

The connecting cables can be guided either downwards or sideways through the cable gland using an adapter that can be screwed under the foot. This makes wiring easier if there is no access from below.

Connection to AS-Interface

8WD42

The two-wire bus cable is fixed to the screw terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. A maximum of four signaling elements can then be mounted on it.

The 8WD4228-0BB adapter element is a standard slave.

8WD44

The two-wire bus cable is fixed to the screw or spring-type terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. The signaling elements can then be mounted on it.

The 8WD4428-0BE adapter element is a standard slave.
A maximum of four signaling elements can be mounted on it.

The 8WD4428-0BD adapter element with A/B technology enables the connection of up to 62 slaves on one AS-Interface system. The addressing socket provides user-friendly parameterization of the AS-Interface elements. A maximum of three signaling elements can be mounted on it.

Technical specifications

Type		8WD42	8WD44
General data			
Approvals		UL, CSA	UL, CSA
Light and acoustic elements			
Rated voltage, power consumption			
Light elements with incandescent lamp		(AC values for 50/60 Hz)	(AC values for 50/60 Hz)
• Continuous lights		12 V, 24 V, 115 V, 230 V AC/DC	12 V, 24 V, 115 V, 230 V AC/DC
• Blinklights		24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA	24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA
• Flashlights		--	24 V DC/125 mA; 115 V AC/20 mA; 230 V AC/35 mA
• Max. inrush current, blinklights/flashlights		--	500 mA
Light elements with integrated LED			
• Continuous lights		24 V AC/DC, 60 mA	24 V AC/DC/25 mA; 115 V AC/25 mA; 230 V AC/25 mA
• Blinklights		24 V AC/DC/60 mA; 115 V AC, 60 mA; 230 V AC, 60 mA	24 V AC/DC, 40 mA
• Rotating lights		--	24 V AC/DC/70 mA
Acoustic elements			
• Buzzer element (tone: pulsating or continuous tone)		85 dB: 24 V AC/DC/30 mA; 115 V AC/DC/35 mA; 230 V AC/35 mA	85 dB: 24 V AC/DC/25 mA; 115 V AC/25 mA; 230 V AC/25 mA
• Siren element (8 tones + amplification can be set, 102 dB)		--	24 V AC/DC/80 mA; 115 V AC/30 mA; 230 V AC/16 mA
• Siren element (95 ... 105 dB)		--	24 V DC/100 mA
Power consumption			
• Incandescent lamps, base BA 15d	W	Max. 5	7
• Flashlights, flash energy	Ws	--	2
Service life			
• Flashlights		--	4×10^6 flashes
AS-Interface adapter elements			
IO code/ID code		8/F	8/E
Power supply		Through bus cable	Through bus cable
• Operational voltage	V	18.5 ... 31.6	18.5 ... 31.6
• Power consumption I_{max}	mA	50	100
Protective measures			
• Watchdog		✓	✓
• Short-circuit/overload protection		External back-up fuse M 1.6 A	✓
• Reverse polarity protection		✓	✓
• Induction protection		N/A	✓
Outputs		4 relay outputs	3 electronic outputs
• Load voltage	 V V	External auxiliary voltage 0 … 30 DC 0 ... 230 AC	Through bus cable or external auxiliary voltage, selectable
• Current carrying capacity ΣI_{max}			
- With external auxiliary voltage	A	1.5	0.3
- Without external auxiliary voltage	A	--	0.2
Operating temperature	°C	–20 ... +50	–20 ... +50
Enclosures			
Enclosure material		Thermoplast (polyamide), impact-resistant, black	Thermoplast (polyamide), impact-resistant, black
Light elements		Thermoplast (polycarbonate)	Thermoplast (polycarbonate)
Mounting			
• Horizontal (base mounting, foot with 25 mm diameter pipe)		✓	✓
• Horizontal (single-hole mounting)		✓	--
• Vertical with bracket		✓	✓
Degree of protection			
• Light elements		IP54	IP65 (seal premounted with every module)
• Acoustic elements, AS-i adapter elements		IP54	IP65
Operating temperature	°C	–20 ... +50	–20 ... +50
Connection		M3 screw terminal	Spring-type terminals/M3 screw terminals
• Conductor cross-sections	mm^2	Max. 2.5	Max. 2.5
• Tightening torque	Nm	Max. 0.4	--/ Max. 0.4

8WD4 Signaling Columns

8WD42 signaling columns, 50 mm diameter

Overview

Features:

- Thermoplast enclosure, diameter 50 mm
- Degree of protection IP54
- Up to four elements can be mounted between the connection element and the cover

Selection and ordering data

	Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		V		d				
Acoustic elements[1]								
 8WD4220-0FA	**Buzzer elements** 85 dB, tone frequency approx. 2 300 Hz, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	2	**8WD4220-0FA**		1	1 unit
		115 AC/DC	Black	2	**8WD4240-0FA**		1	1 unit
		230 AC	Black	2	**8WD4250-0FA**		1	1 unit
Light elements for incandescent lamps/LEDs, BA 15d bases[2]								
 8WD4200-1AD	**Continuous light elements**	24 ... 230 AC/DC	Red	2	**8WD4200-1AB**		1	1 unit
			Green	2	**8WD4200-1AC**		1	1 unit
			Yellow	2	**8WD4200-1AD**		1	1 unit
			Clear	2	**8WD4200-1AE**		1	1 unit
			Blue	2	**8WD4200-1AF**		1	1 unit
Light elements with integrated LED								
 8WD4220-5AB	**Continuous light elements**	24 AC/DC	Red	2	**8WD4220-5AB**		1	1 unit
			Green	2	**8WD4220-5AC**		1	1 unit
			Yellow	2	**8WD4220-5AD**		1	1 unit
			Clear	2	**8WD4220-5AE**		1	1 unit
			Blue	2	**8WD4220-5AF**		1	1 unit
 8WD4240-5AC		115 AC	Red	2	**8WD4240-5AB**		1	1 unit
			Green	2	**8WD4240-5AC**		1	1 unit
			Yellow	2	**8WD4240-5AD**		1	1 unit
			Clear	2	**8WD4240-5AE**		1	1 unit
			Blue	2	**8WD4240-5AF**		1	1 unit
		230 AC	Red	2	**8WD4250-5AB**		1	1 unit
			Green	2	**8WD4250-5AC**		1	1 unit
			Yellow	2	**8WD4250-5AD**		1	1 unit
			Clear	2	**8WD4250-5AE**		1	1 unit
			Blue	2	**8WD4250-5AF**		1	1 unit
 8WD4220-5BD	**Blinklight elements**	24 AC/DC	Red	2	**8WD4220-5BB**		1	1 unit
			Green	2	**8WD4220-5BC**		1	1 unit
			Yellow	2	**8WD4220-5BD**		1	1 unit
			Clear	2	**8WD4220-5BE**		1	1 unit
			Blue	2	**8WD4220-5BF**		1	1 unit
 8WD4240-5BE		115 AC	Red	2	**8WD4240-5BB**		1	1 unit
			Green	2	**8WD4240-5BC**		1	1 unit
			Yellow	2	**8WD4240-5BD**		1	1 unit
			Clear	2	**8WD4240-5BE**		1	1 unit
			Blue	2	**8WD4240-5BF**		1	1 unit
 8WD4250-5BF		230 AC	Red	2	**8WD4250-5BB**		1	1 unit
			Green	2	**8WD4250-5BC**		1	1 unit
			Yellow	2	**8WD4250-5BD**		1	1 unit
			Clear	2	**8WD4250-5BE**		1	1 unit
			Blue	2	**8WD4250-5BF**		1	1 unit
	Flashlight elements	24 AC/DC	Red	2	**8WD4220-0CB**		1	1 unit
			Green	2	**8WD4220-0CC**		1	1 unit
			Yellow	2	**8WD4220-0CD**		1	1 unit
			Clear	2	**8WD4220-0CE**		1	1 unit
			Blue	2	**8WD4220-0CF**		1	1 unit
Adapter elements for AS-Interface								
 8WD4228-0BB	**AS-Interface adapter elements** With external auxiliary voltage	For 4 signaling elements 24 V DC	Black	2	**8WD4228-0BB**		1	1 unit

[1] One acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in place.

[2] The lamp is not included in the scope of supply. Please order separately.

8WD4 Signaling Columns

8WD42 signaling columns, 50 mm diameter

	Version	Rated voltage V	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Connection elements								
	**Connection elements with cover** For mounting on pipes, floors and brackets Essential part for assembling the signaling columns		Black	2	**8WD4208-0AA**		1	1 unit
Mounting								
	**Feet, single**	Plastic, for mounting on pipes		2	**8WD4308-0DB**		1	1 unit
		Metal, for pipe lengths > 400 mm		2	**8WD4308-0DC**		1	1 unit
		Plastic, for floor mounting (without pipe)		2	**8WD4208-0DE**		1	1 unit
	Adjustable-angle feet For positioning in 7.5° increments[1]	Plastic, for mounting on pipes, incl. rubber seal		2	**8WD4408-0DF**		1	1 unit
	**Pipes, single**	Length 100 mm		2	**8WD4208-0EF**		1	1 unit
		Length 150 mm		2	**8WD4308-0EE**		1	1 unit
		Length 250 mm		2	**8WD4308-0EA**		1	1 unit
		Length 400 mm		2	**8WD4308-0EB**		1	1 unit
		Length 1 000 mm		2	**8WD4308-0ED**		1	1 unit
	**Sockets for feet**	Side cable outlet		2	**8WD4308-0DD**		1	1 unit
		Side cable outlet, with magnetic fixing[2]		2	**8WD4308-0DE**		1	1 unit
	**Brackets for mounting with foot**			2	**8WD4408-0CC**		1	1 unit
	**Brackets for wall mounting** (plastic)	Mounting without feet or pipe		2	**8WD4208-0CD**		1	1 unit
	**Adapters for single-hole mounting**	Mounting without feet and pipe, with M18 thread and fixing nut		2	**8WD4208-0EH**		1	1 unit
Lamps								
	**Incandescent lamps, 5 W**							
	Base BA 15d	24 AC/DC	Clear	2	**8WD4328-1XX**		1	10 units
		115 AC	Clear	2	**8WD4348-1XX**		1	10 units
		230 AC	Clear	2	**8WD4358-1XX**		1	10 units
	**LEDs**							
	BA 15d bases	24 AC/DC	Red	2	**8WD4428-6XB**		1	1 unit
			Green	2	**8WD4428-6XC**		1	1 unit
			Yellow	2	**8WD4428-6XD**		1	1 unit
			Clear	2	**8WD4428-6XE**		1	1 unit
			Blue	2	**8WD4428-6XF**		1	1 unit
		115 AC	Red	2	**8WD4448-6XB**		1	1 unit
			Green	2	**8WD4448-6XC**		1	1 unit
			Yellow	2	**8WD4448-6XD**		1	1 unit
			Clear	2	**8WD4448-6XE**		1	1 unit
			Blue	2	**8WD4448-6XF**		1	1 unit
		230 AC	Red	2	**8WD4458-6XB**		1	1 unit
			Green	2	**8WD4458-6XC**		1	1 unit
			Yellow	2	**8WD4458-6XD**		1	1 unit
			Clear	2	**8WD4458-6XE**		1	1 unit
			Blue	2	**8WD4458-6XF**		1	1 unit

For labeling panels see 8WD44, page 10/185.

[1] Markings for 30°, 45°, 60° and 90°.

[2] For horizontal mounting, only 1 element is recommended.

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

Overview

Features:

- Thermoplast enclosure, diameter 70 mm
- Advanced design and significantly improved illumination
- Fast and flexible connection using spring-type terminals
- Integrated degree of protection IP65
- Up to five elements can be mounted

Selection and ordering data

	Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		V		d				
Acoustic elements[1]								
	**Buzzer elements** 85 dB, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	2	**8WD4420-0FA**		1	1 unit
		115 AC	Black	2	**8WD4440-0FA**		1	1 unit
		230 AC	Black	2	**8WD4450-0FA**		1	1 unit
	Siren elements, multi-tone, 102 dB, 8 tones and volume are adjustable	24 AC/DC	Black	2	**8WD4420-0EA2**		1	1 unit
		115 AC	Black	2	**8WD4440-0EA2**		1	1 unit
		230 AC	Black	2	**8WD4450-0EA2**		1	1 unit
	Siren elements 95 ... 105 dB, IP40, alternating continuous tone	24 DC	Black	2	**8WD4420-0EA**		1	1 unit
Light elements for incandescent lamps/LEDs, BA 15d bases[2]								
	**Continuous light elements**	12 ... 230 AC/DC	Red	2	**8WD4400-1AB**		1	1 unit
			Green	2	**8WD4400-1AC**		1	1 unit
			Yellow	2	**8WD4400-1AD**		1	1 unit
			Clear	2	**8WD4400-1AE**		1	1 unit
			Blue	2	**8WD4400-1AF**		1	1 unit
Light elements with integrated flash lamps[3]								
	**Flashlight elements** with integrated electronic flash	24 DC	Red	2	**8WD4420-0CB**		1	1 unit
			Green	2	**8WD4420-0CC**		1	1 unit
			Yellow	2	**8WD4420-0CD**		1	1 unit
			Clear	2	**8WD4420-0CE**		1	1 unit
			Blue	2	**8WD4420-0CF**		1	1 unit
		115 AC	Red	2	**8WD4440-0CB**		1	1 unit
			Green	20	**8WD4440-0CC**		1	1 unit
			Yellow	2	**8WD4440-0CD**		1	1 unit
			Clear	20	**8WD4440-0CE**		1	1 unit
			Blue	20	**8WD4440-0CF**		1	1 unit
		230 AC	Red	2	**8WD4450-0CB**		1	1 unit
			Green	2	**8WD4450-0CC**		1	1 unit
			Yellow	2	**8WD4450-0CD**		1	1 unit
			Clear	2	**8WD4450-0CE**		1	1 unit
			Blue	2	**8WD4450-0CF**		1	1 unit

1) One acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in place.

2) The lamp is not included in the scope of supply. Please order separately.

3) The lamp is included in the scope of supply.

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

	Version		Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			V		d				
Light elements with integrated LED									
	**Continuous light elements**		24 AC/DC	Red	2	**8WD4420-5AB**		1	1 unit
				Green	2	**8WD4420-5AC**		1	1 unit
				Yellow	2	**8WD4420-5AD**		1	1 unit
				Clear	2	**8WD4420-5AE**		1	1 unit
				Blue	2	**8WD4420-5AF**		1	1 unit
			115 AC	Red	2	**8WD4440-5AB**		1	1 unit
				Green	2	**8WD4440-5AC**		1	1 unit
				Yellow	2	**8WD4440-5AD**		1	1 unit
				Clear	2	**8WD4440-5AE**		1	1 unit
				Blue	2	**8WD4440-5AF**		1	1 unit
			230 AC	Red	2	**8WD4450-5AB**		1	1 unit
				Green	2	**8WD4450-5AC**		1	1 unit
				Yellow	2	**8WD4450-5AD**		1	1 unit
				Clear	2	**8WD4450-5AE**		1	1 unit
				Blue	2	**8WD4450-5AF**		1	1 unit
	**Blinklight elements**		24 AC/DC	Red	2	**8WD4420-5BB**		1	1 unit
				Green	2	**8WD4420-5BC**		1	1 unit
				Yellow	2	**8WD4420-5BD**		1	1 unit
				Clear	2	**8WD4420-5BE**		1	1 unit
				Blue	2	**8WD4420-5BF**		1	1 unit
			115 AC	Red	2	**8WD4440-5BB**		1	1 unit
				Green	2	**8WD4440-5BC**		1	1 unit
				Yellow	2	**8WD4440-5BD**		1	1 unit
				Clear	2	**8WD4440-5BE**		1	1 unit
				Blue	2	**8WD4440-5BF**		1	1 unit
			230 AC	Red	2	**8WD4450-5BB**		1	1 unit
				Green	2	**8WD4450-5BC**		1	1 unit
				Yellow	2	**8WD4450-5BD**		1	1 unit
				Clear	2	**8WD4450-5BE**		1	1 unit
				Blue	2	**8WD4450-5BF**		1	1 unit
	**Rotating light elements**		24 AC/DC	Red	2	**8WD4420-5DB**		1	1 unit
				Green	2	**8WD4420-5DC**		1	1 unit
				Yellow	2	**8WD4420-5DD**		1	1 unit
				Clear	2	**8WD4420-5DE**		1	1 unit
				Blue	2	**8WD4420-5DF**		1	1 unit
Adapter elements for AS-Interface									
	**AS-Interface adapter elements**								
	With/without external auxiliary voltage, switchable								
	• A/B technology	For 3 signaling elements 24 V DC		Black	2	**8WD4428-0BD**		1	1 unit
	• Standard AS-i	For 4 signaling elements 24 V DC		Black	2	**8WD4428-0BE**		1	1 unit
	Adapter elements for IO-Link					**8WD4428-0BF**			
Connection elements[1]									
	**Connection elements with cover**			Black					
	Screw terminals	• For mounting on pipes			2	**8WD4408-0AA**		1	1 unit
		• For mounting on brackets and floors			2	**8WD4408-0AB**		1	1 unit
	Spring-type terminals	• For mounting on pipes			2	**8WD4408-0AD**		1	1 unit
		• For mounting on brackets and floors			2	**8WD4408-0AE**		1	1 unit
	Cover (replacement)				2	**8WD4408-0XA**		1	1 unit

[1] The connection element with cover is an essential part for assembling the signaling columns.

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

	Version		DT	Order No.	PU (UNIT, SET, M)	PS
Mounting						
	**Foot with pipe**	Plastic foot with pipe length 100 mm	A	**8WD43 08-0DA**	1	1 unit
	**Feet, single**	Plastic, for mounting on pipes	A	**8WD43 08-0DB**	1	1 unit
		Metal, for pipe lengths > 400 mm	A	**8WD43 08-0DC**	1	1 unit
	**Adjustable-angle feet** for positioning in 7.5° increments[1]	Plastic, for mounting on pipes, incl. rubber seal	X	**8WD44 08-0DF**	1	1 unit
	**Pipes, single**	Length 100 mm	A	**8WD42 08-0EF**	1	1 unit
		Length 150 mm	A	**8WD43 08-0EE**	1	1 unit
		Length 250 mm	A	**8WD43 08-0EA**	1	1 unit
		Length 400 mm	A	**8WD43 08-0EB**	1	1 unit
		Length 1000 mm	A	**8WD43 08-0ED**	1	1 unit
	**Sockets for feet**	Side cable outlet (can also be used without feet)	A	**8WD43 08-0DD**	1	1 unit
		Side cable outlet, with magnetic fixing[2]	A	**8WD43 08-0DE**	1	1 unit
	**Brackets for wall mounting** (mounting without feet and pipe)	For single-sided mounting	A	**8WD43 08-0CA**	1	1 unit
		For double-sided mounting	A	**8WD43 08-0CB**	1	1 unit
	**Brackets for mounting with foot**		A	**8WD44 08-0CC**	1	1 unit
	**Brackets for base mounting**	Mounting without feet and pipe	A	**8WD44 08-0CD**	1	1 unit
	Adapter for mounting on pipes according to NPT	Mounting on pipes, Ø 25 mm, with NPT 1/2" thread	A	**8WD43 08-0DF**	1	1 unit

[1] Markings for 30°, 45°, 60° and 90°.

[2] For horizontal mounting, only 1 element is recommended.

Note:

For mounting and configuring aid see the publication "Versatile, robust, communication-capable: SIRIUS signaling columns and integrated signal lamps", Order No. E20001-A670-P305.

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

	Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS
		V					
Lamps							
	**Incandescent lamps, 5 W**						
	Base BA 15d	24 AC/DC		A	**8WD43 28-1XX**	1	10 units
		115 AC		A	**8WD43 48-1XX**	1	10 units
		230 AC		A	**8WD43 58-1XX**	1	10 units
	**LEDs**						
	Base BA 15d	24 AC/DC	Red	A	**8WD44 28-6XB**	1	1 unit
			Green	A	**8WD44 28-6XC**	1	1 unit
			Yellow	A	**8WD44 28-6XD**	1	1 unit
			Clear	A	**8WD44 28-6XE**	1	1 unit
			Blue	A	**8WD44 28-6XF**	1	1 unit
		115 AC	Red	A	**8WD44 48-6XB**	1	1 unit
			Green	A	**8WD44 48-6XC**	1	1 unit
			Yellow	A	**8WD44 48-6XD**	1	1 unit
			Clear	A	**8WD44 48-6XE**	1	1 unit
			Blue	A	**8WD44 48-6XF**	1	1 unit
		230 AC	Red	A	**8WD44 58-6XB**	1	1 unit
			Green	A	**8WD44 58-6XC**	1	1 unit
			Yellow	A	**8WD44 58-6XD**	1	1 unit
			Clear	A	**8WD44 58-6XE**	1	1 unit
			Blue	A	**8WD44 58-6XF**	1	1 unit
Inscriptions							
	**Labeling panels** With fixing accessories for mounting on pipe ∅ 25 mm Inscription area/ step 50 mm x 140 mm Suitable for standard labels, e.g. • Zweckform 3425 • Herma 4457			A	**8WD44 08-0FA**	1	1 unit
Pre-assembled 8WD44 Signal Columns							
	Pre-assembled Connection Element, Foot and Pipe			A	**8WD4421-0GA05-0AG0**	1	1 unit
	Pre-assembled Signal Column			A	**8WD4423-5AK05-0AE0**	1	1 unit
	Pre-assembled Signal Column			A	**8WD4423-5AK05-0AF0**	1	1 unit

8WD5 Integrated Signal Lamps

8WD53 integrated signal lamps, 70 mm diameter

Overview



8WD53 integrated signal lamps

More information

Homepage, see www.siemens.com/sirius-commanding
Industry Mall, see www.siemens.com/product?8WD5
Manual, see https://support.industry.siemens.com/cs/ww/en/view/107194954

Design

Features:

- Thermoplast enclosures, diameter 70 mm
- Degree of protection IP65
- Rated voltage 24 V, 115 V, 230 V AC/DC
- Ambient temperature -20 to +50 °C, incandescent lamp up to 60 °C

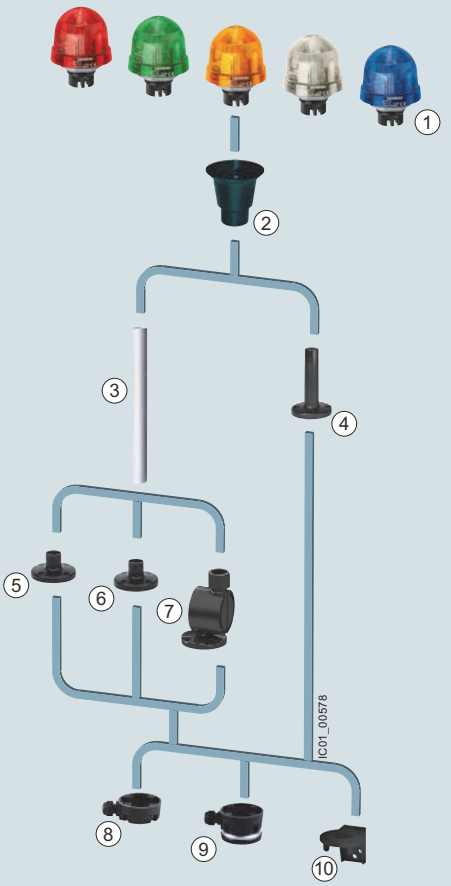
The special shape of the integrated signal lamps means that the light is emitted optimally in every direction (to the sides and upwards). Continuous lights (with incandescent lamp or LED) and single-flash lights are available in five colors. As well as the continuous-light version, a flashing-light or all-round light version is also available.

The LED versions of the integrated signal lamps offer a considerably longer endurance than the incandescent lamp versions.

They all have the high degree of protection IP65 and are made of a material highly resistant to impact.

Mounting

8WD53 integrated signal lamps can be mounted at any point of the machine for the purpose of giving visual signals. They are mounted by means of a PG-29 screw base with nut.



1 Integrated signal lamp 8WD53
2 Pipe adapter 8WD5308-0EG
3 Pipe 8WD4208-0EF/8WD4308-0E.
4 Foot with pipe 8WD4308-0DA
5 Foot for mounting with pipe 8WD4308-0DB
6 Foot for mounting with pipe (> 400 mm) 8WD4308-0DC
7 Adjustable-angle foot for mounting on pipes 8WD4408-0DF
8 Socket 8WD4308-0DD
9 Socket (magnetic fixing) 8WD4308-0DE
10 Bracket for mounting with foot 8WD4408-0CC

Application

SIRIUS 8WD53 integrated signal lamps can be used as visual signaling devices in harsh ambient conditions and in outdoor installations.

Visual signaling devices for indicating operating conditions can be used for the following applications:

- Manufacturing plants
- Injection molding machines
- Conveyors
- Assembly systems for electronic components

8WD5 Integrated Signal Lamps

8WD53 integrated signal lamps, 70 mm diameter

Selection and ordering data

	Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		V		d				
Luminaires for incandescent lamps/LED[1], BA 15d base								
	**Continuous lights**[2]	12 ... 230 AC/DC	Red	2	**8WD5300-1AB**		1	1 unit
			Green	2	**8WD5300-1AC**		1	1 unit
			Yellow	2	**8WD5300-1AD**		1	1 unit
			Clear	2	**8WD5300-1AE**		1	1 unit
			Blue	2	**8WD5300-1AF**		1	1 unit
Luminaires with integrated flash lamp								
	**Single-flash lights** with integrated electronic flash	24 AC/DC	Red	2	**8WD5320-0CB**		1	1 unit
			Green	2	**8WD5320-0CC**		1	1 unit
			Yellow	2	**8WD5320-0CD**		1	1 unit
			Clear	2	**8WD5320-0CE**		1	1 unit
			Blue	2	**8WD5320-0CF**		1	1 unit
		115 AC	Red	2	**8WD5340-0CB**		1	1 unit
			Green	2	**8WD5340-0CC**		1	1 unit
			Yellow	2	**8WD5340-0CD**		1	1 unit
			Clear	2	**8WD5340-0CE**		1	1 unit
			Blue	20	**8WD5340-0CF**		1	1 unit
		230 AC	Red	2	**8WD5350-0CB**		1	1 unit
			Green	20	**8WD5350-0CC**		1	1 unit
			Yellow	2	**8WD5350-0CD**		1	1 unit
			Clear	2	**8WD5350-0CE**		1	1 unit
			Blue	20	**8WD5350-0CF**		1	1 unit
Luminaires with integrated LED[1]								
	**Continuous lights**	24 AC/DC	Red	2	**8WD5320-5AB**		1	1 unit
			Green	2	**8WD5320-5AC**		1	1 unit
			Yellow	2	**8WD5320-5AD**		1	1 unit
			Clear	2	**8WD5320-5AE**		1	1 unit
			Blue	2	**8WD5320-5AF**		1	1 unit
	**Blinklight lamps**	24 AC/DC	Red	2	**8WD5320-5BB**		1	1 unit
			Green	2	**8WD5320-5BC**		1	1 unit
			Yellow	2	**8WD5320-5BD**		1	1 unit
			Clear	2	**8WD5320-5BE**		1	1 unit
			Blue	2	**8WD5320-5BF**		1	1 unit
	Rotating lights	24 AC/DC	Red	2	**8WD5320-5DB**		1	1 unit
			Green	2	**8WD5320-5DC**		1	1 unit
			Yellow	2	**8WD5320-5DD**		1	1 unit
			Clear	2	**8WD5320-5DE**		1	1 unit
			Blue	2	**8WD5320-5DF**		1	1 unit
Accessories for mounting (optional)								
	**Pipe adapters** For mounting on pipes[3]			2	**8WD5308-0EG**		1	1 unit

1) Only for use with SIRIUS commanding and signaling devices.

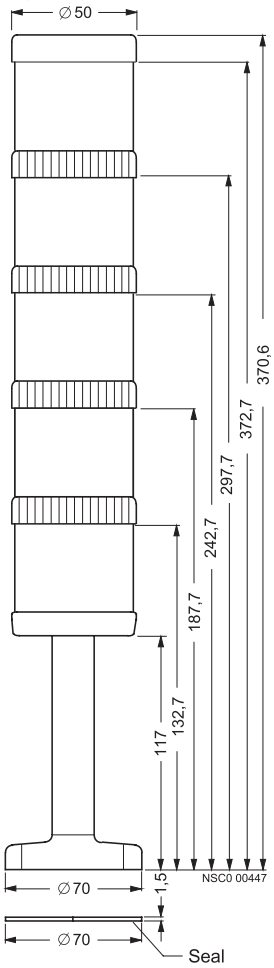
2) Lamp not included in scope of supply, see Signaling Columns, page 10/185..

3) For pipes and feet, see Signaling Columns, page 10/184.

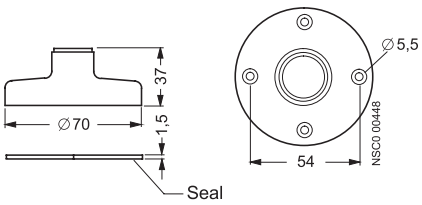
8WD4 Signaling Columns

Dimension drawings

Signaling column (4-tier)

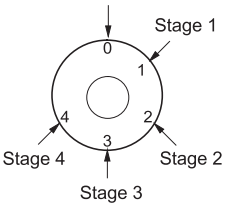


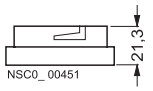
Foot

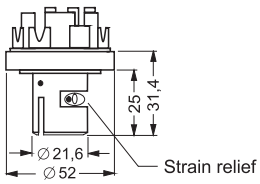


Connection element

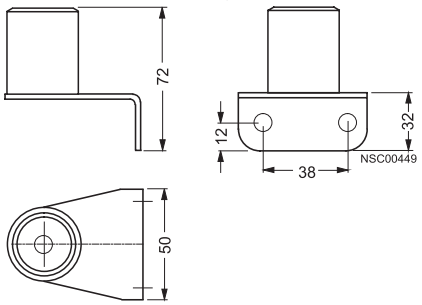
Connection diagram
Common conductor



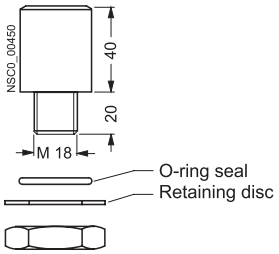




Bracket for wall mounting

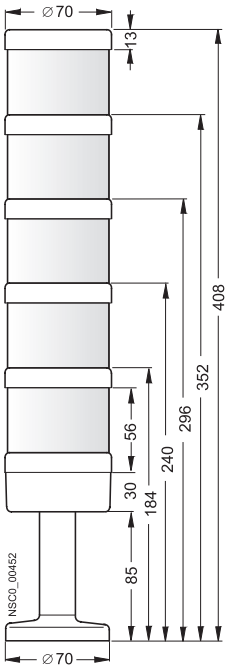


Adapter for single-hole mounting

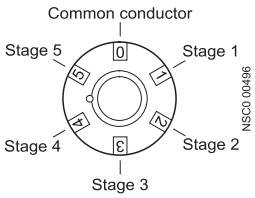


Dimension drawings

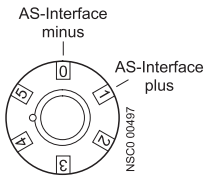
Signaling column (5-tier)



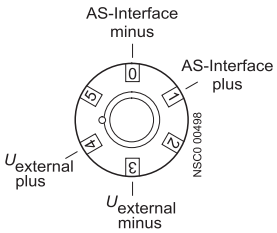
Connection diagrams



conventional

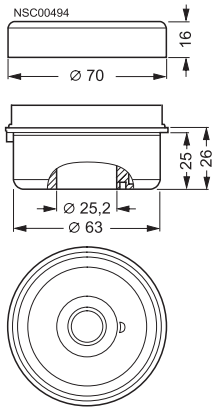


with AS-Interface, without external auxiliary voltage

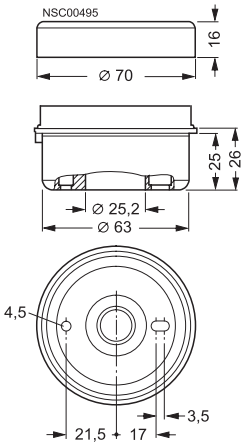


with external auxiliary voltage

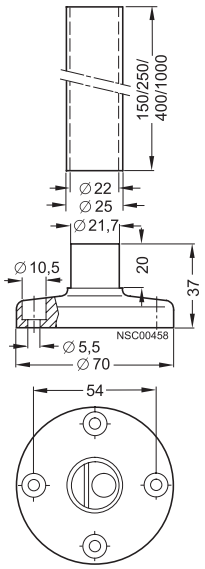
Connection element and cover for mounting on pipes



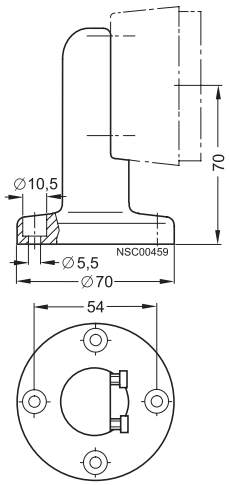
Connection element and cover for mounting on floor/bracket



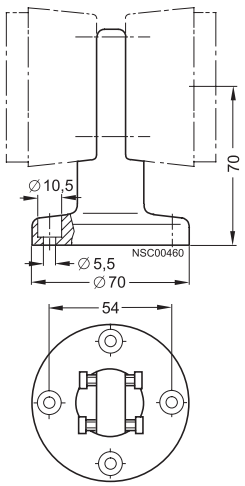
Foot with pipe



Bracket for single-sided mounting



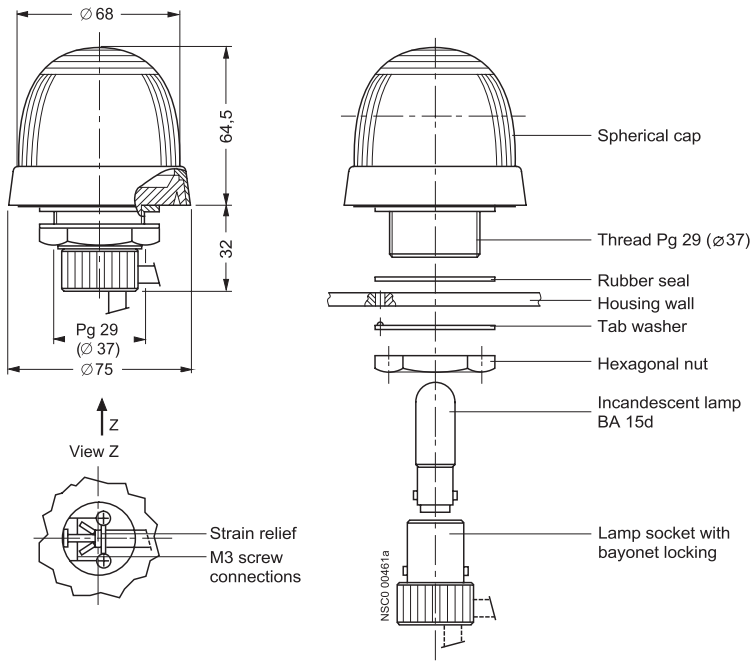
Bracket for double-sided mounting



8WD53 Beacons

Dimension drawings

Dimension drawings



30 mm Heavy Duty, Watertight/Oiltight, Class 52

Pushbutton complete units

Features

- Octagonal Mounting Nuts
- Meets Type 1, 3, 3R, 4, 4X, 12, 13 and Automotive Standards
- Heavy Duty Rated NEMA A600/P600 Contacts
- ⊖ Direct Opening Action Contacts
- Positive Indexing Selectors
- Bifurcated Movable Contacts
- Attractive Chrome Plating
- Boots Not Required for Type 4
- cULus Listed File #E22655
- E-STOP cULus Listed FIle #E524906
- Touchsafe Terminals
- Hazardous Location CL1, DIV2 Contact Blocks
- Hazardous Location CL1, DIV2 Light Modules

Application

Oil tight pilot controls and accessories are designed to provide long, trouble free service in the most demanding industrial applications. These controls are oil and dust tight and meet Type 3, 4, 4X, 12 and 13 specifications.

Rugged

Industrial control operators are durable one piece castings. Heavy duty plastic buttons resist oils and corrosion. Silver contacts carry heavy duty ratings.

Flexible

Accessories modify standard push buttons, selector switches and pilot lights. Building block construction of contact blocks makes possible many circuitry combinations.

Industrial Appearance

Pilot controls add luster to panels. Chrome plating covers exposed metal parts.

Push Button Operators

The Operator Base consists of a durable, one piece casting equipped with a heavy duty actuator with a stainless steel spring, a neoprene actuator sealing ring to prevent oil and dust from penetrating to the contact blocks, a neoprene gasket to seal operator mounting hole and a chrome plated lock nut.

Mushroom Head Push Button Operators

The Mushroom Head base construction is identical to the push button base. The actuator is molded of high impact material for either a 1 5⁄8 inch or 2 1⁄2 inch diameter molded head.

E-STOP

E-STOP Mushroom Head Operators according to EN 60947-5-5 Cat. No. 52BP, 52BR, 52PP, and 52PR, 2 Position, Twist-To-Release & 2 Position, Push Pull Maintained operators provided with red operating heads and 52BJK contact blocks meets the requirements of EN 60947-5-5 Siemens listing number E524906 for Electrical Emergency Stop Device With Mechanical Latching function (E-Stop). The E-Stop device series has a special application nomenclature of “S” specifically for this device series.

Contact Blocks

Standard Contact Blocks have double break bifurcated silver contacts as standard. Versions with gold flashing are available for improved contact reliability. Contact blocks are heavy duty rated NEMA A600 and suitable for applications down to 5V/1MA solid state outputs. 52BAJ and 52BJK versions offers ⊖ Direct Opening Action Contacts according to IEC 60947-5-1, Appendix K. Molded bodies and pushers resist arcing and tracking. All units have stainless steel springs that resist corrosion and provide strong contact pressure. Captive mounting screws speed panel assembly. New HL Series Contact Blocks are also rated for Hazardous Locations Class 1, Division 2.

Push Pull Operators

Push Pull Operators combine two or three functions in one unit. The maintained operator has two positions, typically pull to start, push to stop. The momentary operator with three positions provides spring return from both pull and push positions. In addition, a three position push maintained, pull momentary operator is available. The actuator come is 1 3/4 inch or 2 1/2 inch diameter and is available in an illuminated version.

2 Button Maintained Operator

Maintained Push Buttons consist of two push buttons and a latching assembly. When actuated the button remains depressed and is freed only by the release operator to which it is linked. The button assembly adjusts for mounting from a 1 13⁄16 inch to a 2 5⁄8 inch center.

Transformer Type Pilot Lights

Transformer Type Pilot Lights are available with a 120, 240, 480 or 600 Volt primary (50/60 Hertz) and a separate secondary winding which supplies reduced voltage to a miniature bayonet base 6 Volt lamp. These units are suitable for applications where vibration is present and long bulb life is desirable.

Electrical Ratings

NEMA AC Ratings 50/60Hz

NEMA A600 10 Continuous Amps

Volts	Make	Break
120	60	6
240	30	3
480	15	1.5
600	12	1.2
VA	7200	720

Ordering Information

- Accessories: pages 10/214 – 10/218
- Selector Position and Contact Operation: page 10/212 – 10/213.
- Legend Plates: page 10/227.
- Enclosures: page 10/229.
- Technical Specifications: page 10/228.

Full Voltage Type Pilot Lights

Full Voltage Pilot Lights are available for 6,12, 24 and 120 Volt AC and DC applications.

Resistor Type Pilot Lights

Resistor Type Pilot Lights are available for 240 Volt AC and DC applications. The 240 Volt pilot light is supplied with a 120 Volt lamp and a voltage dropping resistor.

LED Type Pilot Lights

LED’s (light emitting diodes) can be used in pilot lights instead of incandescent bulbs because of their long life (up to 10 years), resistance to vibration and ambient sensitivity. Clusted LED options are available for standard pilot lights only. Cluster LED options are not available on Push to test Pilot Lights, Illuminated Pushbuttons, Push-pull, or Twist-to-Release Operators.

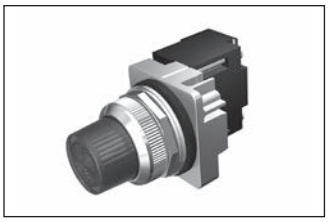
Integrated LED Module Type Pilot Lights

The integrated LED module is available for 24, 120, 240 and 24-240V. LED modules are vibration resistant and have a long life (up to 10 years).

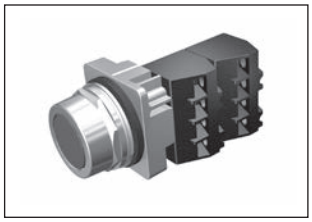
Selector Operators

Selector Operators have positive action indexing. Operators are available with either a short or long lever. The molded black lever is designed to accept a color insert. A white insert is provided as standard. Each operator is equipped with a cam to actuate plungers of contact blocks assembled behind the operator. Two, three and four position operators are available with seven different cams.

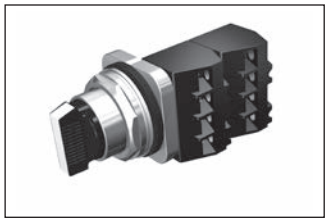
Lever color inserts are available in 8 colors.



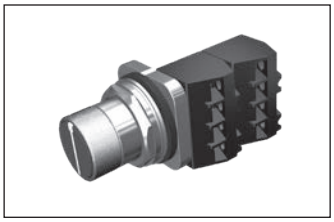
Indicator Light



Push Button



Selector Switch



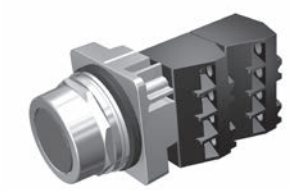
Selector Push Button

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Push Button

Selection Guid

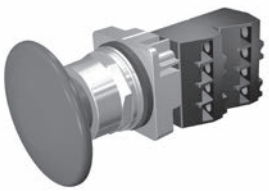
Momentary Push Button - Non-Illuminated



Flush Head



Extended Head



Large Mushroom Head 2 1/2″



Small Mushroom Head 1 3/4″

Part Number	52	a	M b	c	d	e[1]

a

Code	Finish
P	Chrome - Command 52
B	Epoxy Coated - Black Max

b

Code	Type
M	Momentary Push Button

c

Code	Style / Head Type
	Flush / Extended Cap
8A	Flush
8B	Extended
	Mushroom Head Metal
9A	Small Mushroom Head 1 3/4" (44.5mm)
	Mushroom Head Plastic
9W	Small Mushroom Head 1 3/4" (44.5mm)
9V	Large Mushroom Head 2 1/2" (63.5mm)

d

Code	Plastic	Metal
1	Black	—
2	Red	Red
3	Green	Green
4	Yellow	—
5	Blue	—
6	Gray	—
7	All Color Caps	—
8	Orange	—
C	—	Chrome

e[1]

Code	Contact Blocks[2]
A	1 NO + 1 NC
B	2 NO + 2 NC
C	3 NO + 3 NC
D	4 NO + 4 NC
E	1 NC (LB)
F	2 NO
G	2 NC
H	1NO (EM)
J	1 NC
K	1 NO

1 For operator without contact blocks leave position e blank.

2 Complete Pushbutton Operators with Contact Block Codes: A, B, F, G, J & K are available with Hazardous Location CL1, DIV2 Rated Contacts when Suffix "HL" is added to the part number.

Selection Tables

Momentary Push Button - Non-Illumniated[1]

Head Style	Contacts	Color	Finish	
			Chrome	Black Max
Flush	—	Less cap	**52PM8**	**52BM8**
		Black	**52PM8A1**	**52BM8A1**
		Red	**52PM8A2**	**52BM8A2**
		Green	**52PM8A3**	**52BM8A3**
		Yellow	**52PM8A4**	**52BM8A4**
	1 NO - 1 NC	Black	**52PM8A1A**	**52BM8A1A**
		Red	**52PM8A2A**	**52BM8A2A**
		Green	**52PM8A3A**	**52BM8A3A**
	1 NO	Black	**52PM8A1K**	**52BM8A1K**
		Red	**52PM8A2K**	**52BM8A2K**
		Green	**52PM8A3K**	**52BM8A3K**
	1 NC	Red	**52PM8A2J**	**52BM8A2J**
Extended	—	Black	**52PM8B1**	**52BM8B1**
		Red	**52PM8B2**	**52BM8B2**
		Green	**52PM8B3**	**52BM8B3**
	1 NO	Black	**52PM8B1K**	**52BM8B1K**
		Red	**52PM8B2K**	**52BM8B2K**
	1 NC	Red	**52PM8B2J**	**52BM8B2J**
Mushroom Head Plastic Ø 1 3/4”	—	Less cap	**52PM9**	**52BM9**
		Red	**52PM9W2**	**52BM9W2**
	1 NO	Green	**52PM9W3K**	**52BM9W3K**
	1 NO - 1 NC	Black	**52PM9W1A**	**52BM9W1A**
		Red	**52PM9W2A**	**52BM9W2A**
	1 NO - 1 NC	Green	**52PM9W3A**	**52BM9W3A**
Mushroom Head Plastic Ø 2 1/2”	—	Red	**52PM9V2**	**52BM9V2**
	1 NO - 1 NC	Black	**52PM9V1A**	**52BM9V1A**
		Red	**52PM9V2A**	**52BM9V2A**
		Green	**52PM9V3A**	**52BM9V3A**

Readily available items are in **bold**.
This is a small representation of stocked items.

1 Complete Operators with 1 to 2 Contact Blocks are available with CL1, DIV2 Ratings when Suffix "HL" is added to the part number.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Non-Illuminated Push Pull

Selection Guide

2 & 3 Position Push-Pull Mushroom Head Devices - Non-Illuminated



Mushroom Head Metal Ø 1 3/4″



Mushroom Head Plastic Ø 2 1/2″



Mushroom Head Plastic Ø 1 3/4″

Part Number	52	____ a	P b	____ c	____ d	____ e	____ f[3]

a

Code	Finish
P	Chrome-Command 52
B	Epoxy Coated-Black Max

b

Code	Type
P	Push Pull

c

Code	Function
2	2 positions - maintained[1]
3	3 positions - momentary in - momentary out
7	3 positions - maintained in - momentary out

d

Code	Style
A	Small metal 1-3/4" (44.5 mm)
W	Small plastic 1-3/4" (44.5 mm)
V	Large plastic 2-1/2" (63.5 mm)

e

Code	Color	
	Plastic	Metal
1	Black	—
2	Red[1]	Red[1]
3	Green	Green
4	Yellow	—
5	Blue	—
6	Gray	—
8	Orange	—
C	—	Chrome
	No Operating Head	
Z	No head	

f[3]

Code	Contact Blocks[4]
	2 Position
A	1 NO + 1 NC[1]
B	2 NO + 2 NC[1]
C	3 NO + 3 NC[1]
D	4 NO + 4 NC[1]
E	1 NC (LB)
F	2 NO
G	2 NC[1]
H	1 NO (EM)
J	1 NC[1]
K	1 NO
Q	1 NO - 1 NC (ELB)
	3 Position
U	1 NO - 1 NC extra late break[2]

1 EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and direct opening action NC contact blocks. Direct opening action contacts according to IEC 60947-5-1, Appendix K. Add at the end of the Siemens part number a special application nomenclature of "S" specifically for Emergency Stop Control Devices.

2 Blocks cannot be interchanged (stop-start circuit - pull to start, push to stop).

3 For operator without contact blocks leave position f blank.

4 Complete Push-Pull, 2-Position Operators with Contact Block Codes: A, B, F, G, J & K are available with Hazardous Location CL1, DIV2 Rated Contacts when Suffix "HL" is added to the part number.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Non-Illuminated Push Pull

Selection Tables

2 & 3 Position Push-Pull Mushroom Head Devices - Non-Illuminated

2 pos - maintained

		Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Plastic Ø 2 1/2"	
Contacts	**Color**	**Chrome**	**Black Max**	**Chrome**	**Black Max**	**Chrome**	**Black Max**
—	Black	—	—	**52PP2W1**	52BP2W1	52PP2V1	2BP2V1
	Red	**52PP2A2**	52BP2A2	**52PP2W2**	**52BP2W2**	**52PP2V2**	52BP2V2
	Green	52PP2A3	52BP2A3	**52PP2W3**	52BP2W3	52PP2V3	52BP2V3
	Yellow	—	—	52PP2W4	52BP2W4	52PP2V4	52BP2V4
1 NO - 1 NC	Red	**52PP2A2A**[1]	**52BP2A2A**[1]	**52PP2W2A**[1]	**52BP2W2A**[1]	**52PP2V2A**[1]	52BP2V2A[1]
	Green	**52PP2A3A**	52BP2A3A	**52PP2W3A**	52BP2W3A	**52PP2V3A**	—
	Yellow	—	—	**52PP2W4A**	52BP2W4A	52BP2V4A	52BP2V4A
	Chrome	**52PP2ACA**	52BP2ACA	—	—	—	—

3 pos - momentary in - momentary out

		Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Plastic Ø 2 1/2"	
Contacts	**Color**	**Chrome**	**Black Max**	**Chrome**	**Black Max**	**Chrome**	**Black Max**
—	Black	—	—	52PP3W1	52BP3W1	52PP3V1	52BP3V1
	Red	52PP3A2	52BP3A2	**52PP3W2**	52BP3W2	52PP3V2	52BP3V2
	Green	52PP3A3	52BP3A3	52PP3W3	52BP3W3	52PP3V3	2BP3V3
	Chrome	52PP3AC	52BP3AC	—	—	—	—
1 NO - 1 NCELB	Red	52PP3A2U	52BP3A2U	52PP3W2U	52BP3W2U	52PP3V2U	52BP3V2U
	Green	52PP3A3U	52BP3A3U	52PP3W3U	52BP3W3U	52PP3V3U	52BP3V3U

3 pos - maintained in - momentary out

		Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Plastic Ø 2 1/2"	
Contacts	**Color**	**Chrome**	**Black Max**	**Chrome**	**Black Max**	**Chrome**	**Black Max**
—	Black	—	—	52PP7W1	52BP7W1	52PP7V1	52BP7V1
	Red	**52PP7A2**	52BP7A2	52PP7W2	52BP7W2	52PP7V2	52BP7V2
	Green	52PP7A3	52BP7A3	52PP7W3	52BP7W3	52PP7V3	52BP7V3
	Chrome	52PP7AC	52BP7AC	—	—	—	—
1 NO - 1 NCELB	Red	52PP7A2U	52BP7A2U	52PP7W2U	52BP7W2U	52PP7V2U	52BP7V2U
	Green	52PP7A3U	52BP7A3U	52PP7W3U	52BP7W3U	52PP7V3U	52BP7V3U

Readily available items are in **bold**.
This is a small representation of stocked items.

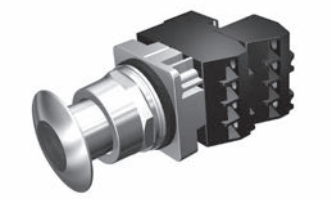
[1] EMERGENCY-STOP control devices according to IEC 60947-5-5. Add at the end of the Siemens part number a special application nomenclature of "S" specifically for Emergency Stop Control Devices.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Push Pull & Push Button

Selection Guide

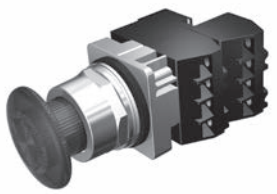
2 & 3 Position Push-Pull Mushroom Head Devices - Illuminated



Mushroom Head Metal Ø 1 3/4”



Mushroom Head Plastic Ø 2 1/2”



Mushroom Head Plastic Ø 1 3/4”

Part Number	52	____ a	P b	____ c	____ d	____ e	____ f	____ g

a

Code	Finish
P	Chrome-Command 52
B	Epoxy Coated-Black Max

b

Code	Type
P	Push Pull Operator

c

Code	Function
2	2 positions - maintained[1]
3	3 positions - momentary in - momentary out[2]
7	3 positions - maintained in - momentary out[2]

d

Code	Operation	
	Full Voltage[3 6] (AC/DC)	
	Incandescent	LED[4]
B	6-8V	6V
C	12-13V	—
D	24-28V	24-28V
E	120V	120V
	Transformer[3 6]	
G	120V AC	
H	240V AC	
J	480V AC	
K	600V AC	
	Integrated LED Light Module[6]	
L	6-24V AC/DC	
U	24-240V AC/DC	

e

Code	Style / Color
	Mushroom Head Metal Ø 1 3/4” (44.5mm)
2	Red[1]
3	Green
5	Blue
9	Amber
A	Clear
B	White
	Mushroom Head Plastic Ø 1 3/4” (44.5 mm)
R	Red[1]
S	Green
T	Amber
	Mushroom Head Plastic Ø 2 1/2” (63.5mm)
D	Red[1]
E	Green
F	Amber
	No Head (full voltage & transformer only)
Z	No head

f

Code	Contact Blocks[7]
	2 Position
A	1 NO + 1 NC[1]
B	2 NO - 2 NC[1]
F	2 NO
G	2 NC[1]
J	1 NC[1]
K	1 NO
Q	1 NO - 1 NC (ELB)
	3 Position
U	1 NO - 1 NC extra late break[2]

g

Code	Bulb Type
Blank	Incandescent
B	LED
Y	Super-Bright LED[5]

1 EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and direct opening action NC contact blocks. Direct opening action contacts according to IEC 60947-5-1, Appendix K. Add at the end of the Siemens part number a special application nomenclature of “S” specifically for Emergency Stop Control Devices.

2 Blocks cannot be interchanged (stop-start circuit - pull to start, push to stop).

3 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold “no head”.

4 LED voltages apply to table g option code B and Y.

5 Not available in 120V or 240V.

6 New for January 2021, Light Modules are dual rated for UL Ordinary Location and Hazardous Location CL1, DIV2 Ratings..

7 Complete Illuminated Push-Pull, 2-Position Operators with Contact Block Codes: A, B, F, G, J & K are available with Hazardous Location CL1, DIV2 Rated Contacts when Suffix "HL" is added to the part number.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Push Pull

Selection Tables

Type	Lamp Type	Voltage	Color	Contacts	Operator Type: 2 pos - maintained — Metal Ø 1 3/4" Chrome	Metal Ø 1 3/4" Black Max	Plastic Ø 1 3/4" Chrome	Plastic Ø 1 3/4" Black Max
Full Voltage (AC/DC)	LED	24V	Red	1 NO - 1 NC	**52PP2D2AB**[1]	**52BP2D2AB**[1]	**52PP2DRAB**[1]	52BP2DRAB[1]
			Green	1 NO - 1 NC	**52PP2D3AB**	52BP2D3AB	52PP2DSAB	52BP2DSAB
	Incandescent	24V	Red	1 NO - 1 NC	**52PP2D2A**[1]	52BP2D2A[1]	**52PP2DRA**[1]	52BP2DRA[1]
			Green	1 NO - 1 NC	**52PP2D3A**	52BP2D3A	**52PP2DSA**	52BP2DSA
		120V	Red	1 NO - 1 NC	52PP2E2A[1]	52BP2E2A[1]	52PP2ERA[1]	52BP2ERA[1]
				—	52PP2E2	52BP2E2	52PP2ER	52BP2ER
Transformer (AC)	LED	120V	Red	1 NO - 1 NC	**52PP2G2AB**[1]	52BP2G2AB[1]	52PP2GRAB[1]	52BP2GRAB[1]
			Green	1 NO - 1 NC	**52PP2G3AB**	52BP2G3AB	52PP2GSAB	52BP2GSAB
	Incandescent	120V	Red	1 NO - 1 NC	**52PP2G2A**[1]	52BP2G2A[1]	**52PP2GRA**[1]	52BP2GRA[1]
			Green	1 NO - 1 NC	**52PP2G3A**	**52BP2G3A**	**52PP2GSA**	52BP2GSA

Type	Lamp Type	Voltage	Color	Contacts	Operator Type: 3 pos - momentary in - momentary out — Metal Ø 1 3/4" Chrome	Metal Ø 1 3/4" Black Max	Plastic Ø 1 3/4" Chrome	Plastic Ø 1 3/4" Black Max
Full Voltage (AC/DC)	LED	24V	Green	1 NO - 1 NCELB	52PP3D3UB	52BP3D3UB	52PP3DRUB	52BP3DRUB
	Incandescent	24V	Green	1 NO - 1 NCELB	52PP3D3U	52BP3D3U	52PP3DSU	52BP3DSU
			Red	1 NO - 1 NCELB	52PP3D2U	52BP3D2U	52PP3DRU	52BP3DRU
		120V	Red	—	52PP3E2	52BP3E2	52PP3ER	52BP3ER
Transformer (AC)	LED	120V	Red	1 NO - 1 NCELB	52PP3G2UB	52BP3G2UB	52PP3GRUB	52BP3GRUB
			Green	1 NO - 1 NCELB	**52PP3G3UB**	52BP3G3UB	52PP3GSUB	52BP3GSUB
	Incandescent	120V	Red	1 NO - 1 NCELB	52PP3G2U	52BP3G2U	52PP3GRU	52BP3GRU
			Green	1 NO - 1 NCELB	52PP3G3U	52BP3G3U	52PP3GRU	52BP3GRU

Type	Lamp Type	Voltage	Color	Contacts	Operator Type: 3 pos - maintained in - momentary out — Metal Ø 1 3/4" Chrome	Metal Ø 1 3/4" Black Max	Plastic Ø 1 3/4" Chrome	Plastic Ø 1 3/4" Black Max
Full Voltage (AC/DC)	LED	24V	Green	1 NO - 1 NCELB	52PP7D3UB	52BP7D3UB	52PP7DSUB	52BP7DSUB
	Incandescent	24V	Green	1 NO - 1 NCELB	52PP7D3U	52BP7D3U	52PP7DSU	52BP7DSU
			Red	1 NO - 1 NCELB	52PP7D2U	52BP7D2U	52PP7DRU	52BP7DRU
		120V	Red	—	52PP7E2	52BP7E2	52PP7ER	52BP7ER
Transformer (AC)	LED	120V	Red	1 NO - 1 NCELB	52PP7G2UB	52BP7G2UB	52PP7GRUB	52BP7GRUB
			Green	1 NO - 1 NCELB	52PP7G3UB	52BP7G3UB	52PP7GSUB	52BP7GSUB
	Incandescent	120V	Red	1 NO - 1 NCELB	52PP7G2U	52BP7G2U	52PP7GRU	52BP7GRU
			Green	1 NO - 1 NCELB	52PP7G3U	52BP7G3U	52PP7GRU	52BP7GRU

Readily available items are in **bold**.
This is a small representation of stocked items.

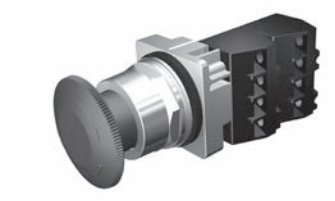
1 EMERGENCY-STOP control devices according to IEC 60947-5-5. Add at the end of the Siemens part number a special application nomenclature of "S" specifically for Emergency Stop Control Devices.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Non-Illuminated Twist-to-Release

Selection Guide

2 Position Twist-to-Release Devices Mushroom Head - Non-Illuminated



Plastic 1 3/4" Mushroom Head - Chrome



Plastic 1 3/4" Mushroom Head - Black Max

Part Number	52	_____ a	R b	8 c	W d	_____ e	_____ f[2]

Finish	Function	Style	Color	Contacts	Part Number
Chrome	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	1 NO - 1 NC	**52PR8W2A**
Black Max	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	1 NO - 1 NC	**52BR8W2A**
Chrome	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	None	**52PR8W2**

Readily available items are in **bold**.
This is a small representation of stocked items.

a

Code	Finish
P	Chrome-Command 52
B	Epoxy Coated-Black Max

b

Code	Function
R	2 Position Twist-to-Release, Maintained[1]

c

Code	Style
8	Plastic 1 3/4" Mushroom Head

d

Code	Lamp Type
W	Non-Illuminated

e

Code	Color
2	Red[1]
3	Green
4	Yellow
Z	No head

f[2]

Code	Contact Blocks[3]
A	1 NO + 1 NC[1]
B	2 NO + 2 NC[1]
C	3 NO + 3 NC[1]
D	4 NO + 4 NC[1]
E	1 NC (LB)
F	2 NO
G	2NC[1]
H	1NO (EM)
J	1 NC[1]
K	1 NO

1 EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and direct opening action NC contact blocks. Direct opening action contacts according to IEC 60947-5-1, Appendix K. Add at the end of the Siemens part number a special application nomenclature of "S" specifically for Emergency Stop Control Devices.

2 For operator without contact blocks leave position f blank.

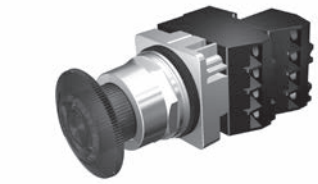
3 Complete Twist release Operators with Contact Block Codes: A, B, F, G, J & K are available with Hazardous Location CL1, DIV2 Ratings when Suffix "HL" is added to the part number.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Twist-to-Release

Selection Guide

2 Position Twist-to-Release Mushroom Head Devices - Illuminated



Plastic 1 3/4" Mushroom Head - Chrome



Plastic 1 3/4" Mushroom Head - Black Max

Part Number	52	____ a	R b	8 c	____ d	____ e	____ f	____ g

Finish	Style	Voltage	Bulb Type	Color	Contacts	Part Number
Chrome	Plastic 1 3/4" Mushroom Head	24V	LED	Red	1 NO - 1 NC	52PR8DRAB
Chrome	Plastic 1 3/4" Mushroom Head	120V	Incandescent	Red	1 NO - 1 NC	52PR8ERA
Chrome	Plastic 1 3/4" Mushroom Head	120V	LED	Red	1 NO - 1 NC	52PR8GRAB

Readily available items are in **bold**.
This is a small representation of stocked items.

a

Code	Finish
P	Chrome-Command 52
B	Epoxy Coated-Black Max

b

Code	Function
R	2 Position Twist-to-Release, Maintained

c

Code	Style
8	Plastic 1 3/4" Mushroom Head

d

Code	Operation	
	Full Voltage[2] [6] (AC/DC)	
	Incandescent	LED[3]
B	6-8V	6V
C	12-13V	—
D	24-28V	24-28V
E	120V	120V
	Transformer[2] [6]	
G	120V AC	
H	240V AC	
J	480V AC	
K	600V AC	
	Integrated LED Light Module[6]	
L	6-24V AC/DC	
U	24-240V AC/DC	

e

Code	Color
R	Red[1]
S	Green
T	Amber
Z	No head

f

Code	Contact Blocks[5]
A	1 NO + 1 NC[1]
B	2 NO + 2 NC[1]
C	3 NO + 3 NC[1]
D	4 NO + 4 NC[1]
E	1 NC (LB)
F	2 NO
G	2NC[1]
H	1NO (EM)
J	1 NC[1]
K	1 NO

g

Code	Bulb Type
Blank	Incandescent
B	LED
Y	Super-Bright LED[4]

1 EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and direct opening action NC contact blocks. Direct opening action contacts according to IEC 60947-5-1, Appendix K. Add at the end of the Siemens part number a special application nomenclature of "S" specifically for Emergency Stop Control Devices.

2 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "no head."

3 LED voltages apply to table g option code B and Y.

4 Not available in 120V or 240V.

5 Complete Illuminated Twist Release Operators with Contact Block Codes: A, B, F, G, J & K are available with Hazardous Location CL1, DIV2 Ratings when Suffix "HL" is added to the part number.

6 New for January 2021, Light Modules are dual rated for UL Ordinary Location and Hazardous Location CL1, DIV2 Ratings.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Indicator Light

Selection Guide

Indicator Light



Plastic Lens



Glass Lens

Part Number	52	_____ a	L b	_____ c	_____ d	_____ e	_____ f

a

Code	Finish
P	Chrome-Command 52
B	Epoxy Coated-Black Max

b

Code	Type
L	Indicator Light

c

Code	Style
4	Plastic Lens
5	Glass Lens

d

Code	Operation	
	Full Voltage[1] [4] (AC/DC)	
	Incandescent	LED[2]
B	6-8V	6V
C	12-13V	—
D	24-28V	24-28V
E	120V	120V
	Transformer[1] [4]	
G	120V AC	
H	240V AC	
J	480V AC	
K	600V AC	
T	277V AC	
	Integrated LED Light Module[4]	
L	6-24V AC/DC	
U	24-240V AC/DC	

e

Code	Color
2	Red
3	Green
5	Blue
7	All Colors
9	Amber
A	Clear
B	White
N	No Lens

f

Code	Bulb Type
Blank	Incandescent
XB	LED
XY	Super-Bright LED[3]

1 Default bulb type is incandescent. For LED options, append field f. LED option not available on units sold "No Lens".

2 LED voltages apply to table f option code XB and XY.

3 Not available in 120V or 240V.

4 New for January 2021, Light Modules are dual rated for UL Ordinary Location and Hazardous Location CL1, DIV2 Ratings.

Selection Tables

Indicator Light

Type	Lamp Type	Voltage	Color	Plastic Lens	
				Chrome	Black Max
Full Voltage (AC/DC)	LED	24V	Red	**52PL4D2XB**	**52BL4D2XB**
			Green	**52PL4D3XB**	**52BL4D3XB**
			Blue	**52PL4D5XB**	**52BL4D5XB**
			Amber	**52PL4D9XB**	**52BL4D9XB**
			White	**52PL4DBXB**	**52BL4DBXB**
		120V	Red	**52PL4E2XB**	**52BL4E2XB**
			Green	**52PL4E3XB**	**52BL4E3XB**
			Amber	**52PL4E9XB**	**52BL4E9XB**
			Clear	**52PL4EAXB**	**52BL4EAXB**
			White	**52PL4EBXB**	**52BL4EBXB**
	Incandescent	24V	Red	**52PL4D2**	**52BL4D2**
			Green	**52PL4D3**	**52BL4D3**
			Blue	**52PL4D5**	**52BL4D5**
			Amber	**52PL4D9**	**52BL4D9**
			White	**52PL4DB**	**52BL4DB**
			No Lens	**52PL4DN**	**52BL4DN**
		120V	Red	**52PL4E2**	**52BL4E2**
			Green	**52PL4E3**	**52BL4E3**
			Amber	**52PL4E9**	**52BL4E9**
			No Lens	**52PL4EN**	**52BL4EN**
Transformer (AC)	LED	120V	Red	**52PL4G2XB**	**52BL4G2XB**
			Green	**52PL4G3XB**	**52BL4G3XB**
			Amber	**52PL4G9XB**	**52BL4G9XB**
			White	**52PL4GBXB**	**52BL4GBXB**
		480V	Red	**52PL4J2XB**	**52BL4J2XB**
			Green	**52PL4J3XB**	**52BL4J3XB**
			White	**52PL4JBXB**	**52BL4JBXB**
	Incandescent	120V	Red	**52PL4G2**	**52BL4G2**
			Green	**52PL4G3**	**52BL4G3**
			Amber	**52PL4G9**	**52BL4G9**
			White	**52PL4GB**	**52BL4GB**
			No Lens	**52PL4GN**	**52BL4GN**
		240V	Red	**52PL4H2**	**52BL4H2**
			Green	**52PL4H3**	**52BL4H3**
		480V	Red	**52PL4J2**	**52BL4J2**
			Green	**52PL4J3**	**52BL4J3**
			Amber	**52PL4J9**	**52BL4J9**

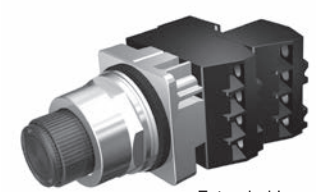
Readily available items are in **bold**.
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30mm Water, Oil Tight & Corrosion Resistant – Class 52

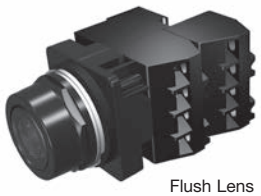
Illuminated Push Button & Push-to-Test

Selection Guide

Push Button & Push-to-Test - Illuminated



Extended Lens



Flush Lens

Part Number	52	_____ a	T b	_____ c	_____ d	_____ e	_____ f	_____ g

a

Code	Finish
P	Chrome-Command 52
B	Epoxy Coated-Black Max

b

Code	Function
T	Illuminated Push Button / Push-to-Test[1]

c

Code	Style
6	Extended Lens
8	Flush Lens

d

Code	Operation	
	Full Voltage[2 5] (AC/DC)	
	Incandescent	LED[3]
B	6-8V	6V
C	12-13V	—
D	24-28V	24-28V
E	120V	120V
	Transformer[2 5]	
G	120V AC	
H	240V AC	
J	480V AC	
K	600V AC	
	Integrated LED Light Module[5]	
L	6-24V AC/DC	
U	24-240V AC/DC	

e

Code	Color
2	Red
3	Green
5	Blue
7	All Colors
9	Amber
A	Clear
B	White
N	No Lens

f

Code	Contact Blocks[6]
A	1 NO - 1 NC
B	2 NO + 2 NC
C	3 NO + 3 NC
D	4 NO + 4 NC
E	1 NC (LB)
F	2 NO
G	2 NC
H	1NO (EM)
J	1 NC
K	1 NO

g

Code	Bulb Type
Blank	Incandescent
B	LED
Y	Super-Bright LED[4]

1 For push-to-test functionality, wire according to wiring diagram below.

2 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "No Lens".

3 LED voltages apply to table g option code B and Y.

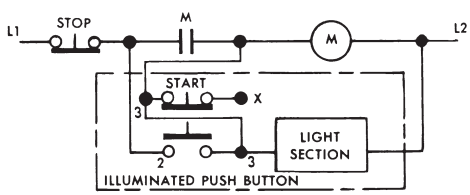
4 Not available in 120V or 240V.

5 New for January 2021, Light Modules are dual rated for UL Ordinary Location and Hazardous Location CL1, DIV2 Ratings.

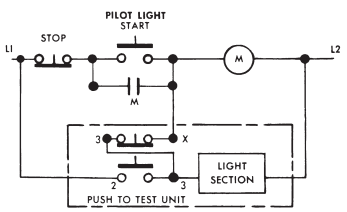
6 Complete PTT/Illuminated Pushbuttons with Contact Block Codes: A, B, F, G, J & K are available with Hazardous Location CL1, DIV2 Rated Contacts when Suffix "HL" is added to the part number.

Wiring Diagrams

Illuminated Push Button



Push to Test



Selection Tables

Push Button & Push-to-Test - Illuminated

Type	Lamp Type	Voltage	Color	Contacts	Extended Lens	
					Chrome	Black Max
Full Voltage (AC/DC)	LED	24V	Red	1 NO - 1 NC	**52PT6D2AB**	**52BT6D2AB**
			Green	1 NO - 1 NC	**52PT6D3AB**	**52BT6D3AB**
			Blue	1 NO - 1 NC	**52PT6D5AB**	**52BT6D5AB**
			Amber	1 NO - 1 NC	**52PT6D9AB**	**52BT6D9AB**
			White	1 NO - 1 NC	**52PT6DBAB**	**52BT6DBAB**
		120V	Red	1 NO - 1 NC	**52PT6E2AB**	**52BT6E2AB**
			Green	1 NO - 1 NC	**52PT6E3AB**	**52BT6E3AB**
	Incandescent	24V	Red	1 NO - 1 NC	**52PT6D2A**	**52BT6D2A**
			Green	1 NO - 1 NC	**52PT6D3A**	**52BT6D3A**
			Blue	1 NO - 1 NC	**52PT6D5A**	**52BT6D5A**
			Amber	1 NO - 1 NC	**52PT6D9A**	**52BT6D9A**
			White	1 NO - 1 NC	**52PT6DBA**	**52BT6DBA**
		120V	Red	1 NO - 1 NC	**52PT6E2A**	**52BT6E2A**
			Green	1 NO - 1 NC	**52PT6E3A**	**52BT6E3A**
Transformer (AC)	LED	120V	Red	1 NO - 1 NC	**52PT6G2AB**	**52BT6G2AB**
			Green	1 NO - 1 NC	**52PT6G3AB**	**52BT6G3AB**
			Amber	1 NO - 1 NC	**52PT6G9AB**	**52BT6G9AB**
			White	1 NO - 1 NC	**52PT6GBAB**	**52BT6GBAB**
		240V	Red	1 NO - 1 NC	**52PT6H2AB**	**52BT6H2AB**
			Green	1 NO - 1 NC	**52PT6H3AB**	**52BT6H3AB**
	Incandescent	120V	Red	1 NO - 1 NC	**52PT6G2A**	**52BT6G2A**
			Green	1 NO - 1 NC	**52PT6G3A**	**52BT6G3A**
			Amber	1 NO - 1 NC	**52PT6G9A**	**52BT6G9A**
			White	1 NO - 1 NC	**52PT6GBA**	**52BT6GBA**
			No Lens	1 NO - 1 NC	**52PT6GNA**	**52BT6GNA**
		240V	Green	1 NO - 1 NC	**52PT6H3A**	**52BT6H3A**
		480V	Clear	1 NO - 1 NC	**52PT6JAA**	**52BT6JAA**

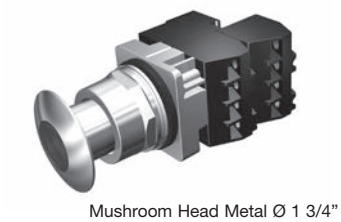
Readily available items are in **bold**.
This is a small representation of stocked items.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Push Button

Selection Guide

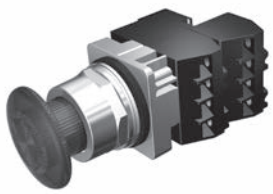
Push Button Mushroom Head Devices – Illuminated



Mushroom Head Metal Ø 1 3/4”



Mushroom Head Plastic Ø 2 1/2”



Mushroom Head Plastic Ø 1 3/4”

Part Number	52	____ a	T b	9 c	____ d	____ e	____ f	____ g

a

Code	Finish
P	Chrome-Command 52
B	Epoxy Coated-Black Max

b

Code	Type
T	Push Button Operator

c

Code	Function
9	2 positions – momentary in

d

Code	Operation	
	Full Voltage[2] [5] (AC/DC)	
	Incandescent	LED[3]
B	6-8V	6V
C	12-13V	—
D	24-28V	24-28V
E	120V	120V
	Transformer[2] [5]	
G	120V AC	
H	240V AC	
J	480V AC	
K	600V AC	
	Integrated LED Light Module[5]	
L	6-24V AC/DC	
U	24-240V AC/DC	

e

Code	Style / Color
	Mushroom Head Metal Ø 1 3/4” (44.5mm)
2	Red[1]
3	Green
5	Blue
9	Amber
A	Clear
B	White
	Mushroom Head Plastic Ø 1 3/4” (44.5 mm)
R	Red
S	Green
T	Amber
	Mushroom Head Plastic Ø 2 1/2” (63.5mm)
D	Red[1]
E	Green
F	Amber
	No Head (full voltage & transformer only)
Z	No head

f

Code	Contact Blocks[6]
A	1 NO + 1 NC
B	2 NO + 2 NC
C	3 NO + 3 NC
D	4 NO + 4 NC
E	1 NC (LB)
F	2 NO
G	2 NC
H	1NO (EM)
J	1 NC
K	1 NO

g

Code	Bulb Type
Blank	Incandescent
B	LED
Y	Super-Bright LED[4]

1 Positive opening according to IEC 60947-5-1, Appendix K.

2 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold “no head”.

3 LED voltages apply to table g option code B and Y.

4 Not available in 120V or 240V.

5 New for January 2021, Light Modules are dual rated for UL Ordinary Location and Hazardous Location CL1, DIV2 Ratings.

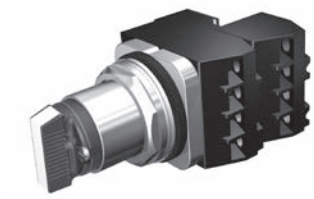
6 Complete Illuminated Pushbuttons with Contact Block Codes: A, B, F, G, J & K are available with Hazardous Location CL1, DIV2 Rated Contacts when Suffix "HL" is added to the part number.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Selector Switches

Selection Guide

Selector Switches – Illuminated



Short Lever – Chrome



Short Lever – Black Max

Part Number	52	S a	b	7 c	d	e	f	g	h	i

Finish	Style	Cam Type	Function	Color	Contacts	Part Number
Chrome	Maintained	2 Position: CAM A	24-28V AC/DC	No Insert	None	52SA7ADN
Chrome	Maintained	2 Position: CAM A	120V AC (Transformer)	No Insert	None	**52SA7AGN**
Chrome	Maintained	3 Position: CAM C	120V AC	No Insert	None	**52SA7CGN**

Readily available items are in **bold**.
This is a small representation of stocked items.

a

Code	Type
S	Selector Switch

b

Code	Finish
A	Chrome - Command 52
X	Epoxy Coated - Black Max

c

Code	Style
7	Maintained

d

Code	Function
A	2 Position: CAM A
B	3 Position: CAM B
C	3 Position: CAM C

e

Code	Operation	
	Full Voltage[1] (AC/DC)	
	Incandescent	LED[2]
B	6-8V	6V
C	12-13V	—
D	24-28V	24-28V
E	120V	120V
	Transformer[1]	
G	120V AC	
H	240V AC	
J	480V AC	
K	600V AC	
	Integrated LED Light Module	
L	6-24V AC/DC	
U	24-240V AC/DC	

f

Code	Color
2	Red
3	Green
5	Blue
9	Amber
A	Clear
N	No Insert

g

Code	Contact Blocks
A	1 NO - 1 NC
E	1 NC (LB)
H	1 NO (EM)
J	1 NC
K	1 NO

h

Code	Contact Quantity & Location	
	A CAM & C CAM Left	B CAM Right
0	1	—
1	—	1
3	2	—
4	—	2

i

Code	Bulb Type
Blank	Incandescent
B	LED
Y	Super-Bright LED[3]

1 Default bulb type is incandescent. For LED options, append field i. LED option not available on units sold "no head".

2 LED voltages apply to table i option code B and Y.

3 Not available in 120V or 240V.

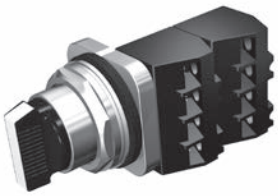
For CAM selection see page 10/212.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Non-Illuminated Selector Switch

Selection Guide

Selector Switch – Non-Illuminated



Short Lever



Long Lever

Part Number	52	S		2					
		a	b	c	d	e	f	g^2	h^2

a

Code	Type
S	Selector Switch

b

Code	Finish
A	Chrome - Short Lever
B	Chrome - Long Lever
X	BlackMax - Short Lever
W	BlackMax - Long Lever

c

Code	Style
2	Non-Illuminated

d

Code	Function[3]
A	2 Position: CAM A[3]
B	3 Position: CAM B
C	3 Position: CAM C[1 3]
D	3 Position: CAM D
E	3 Position: CAM E
G	3 Position: CAM G
H	4 Position: CAM H

e

Code	Type	
	2 Position	
	Maintained	Spring Return
A	All	—
C	Left	Right
	3 Position	
	Maintained	Spring Return
A	All	—
B	Center, Right	Left
C	Center, Left	Right
D	Center	Left, Right
	4 Position	
	Maintained Position	Spring Return
A	All	—

f

Code	Color
2	Red
3	Green
4	Yellow
5	Blue
6	Gray
8	Orange
B	White
N	No Insert (Black)

g^2

Code	Contact Blocks[3]
A	1 NO - 1 NC
E	1 NC (LB)
H	1 NO (EM)
J	1 NC
K	1 NO

h^2

Code	Contact Quantity & Location[3]	
	Left	Right
0	1	—
1	—	1
2	1	1
3	2	—
4	—	2
5	2	1
6	1	2
7	2	2
8	3	—
9	—	3

1 C CAM on spring return selectors is limited to 4 contact blocks. For CAM selection see page 10/212.

2 For operator without contact blocks leave positions g and h blank.

3 Non-Illuminated Selector Switches with CAM types: A or C with Contact Block Codes: A0, A1, A2, A3, A4, J0, J1, J2, J3, J4, K0, K1, K2, K3 or K4 are available with Hazardous Location CL1, DIV2 Rated Contacts when Suffix "HL" is added to the part number.

Selector Switch, Non-Illuminated[1)]

		Switch Position		Type	Chrome		Black Max	
Contact Type	Contact	Left	Right	M = Maintained S = Spring Return	Short Lever	Long Lever	Short Lever	Long Lever
		↖	↗		2-Position Operator			
No Contacts	—	—	—	M M	**52SA2AAB**	**52SB2AAB**	**52SX2AAB**	**52SW2AAB**
				M<---S	**52SA2ACB**	**52SB2ACB**	**52SX2ACB**	52SW2ACB
1 N.O.	A	O	X	M M	**52SA2AABK1**	**52SB2AABK1**	**52SX2AABK1**	**52SW2AABK1**
				M<---S	**52SA2ACBK1**	**52SB2ACBK1**	**52SX2ACBK1**	**52SW2ACBK1**
1 N.O.	A	O	X	M M	**52SA2AABA1**	**52SB2AABA1**	**52SX2AABA1**	**52SW2AABA1**
1 N.C.	B	X	O	M<---S	**52SA2ACBA1**	**52SB2ACBA1**	**52SX2ACBA1**	**52SW2ACBA1**

		Switch Position			Type	Chrome		Black Max	
Contact Type	Contact	Left	Center	Right	M = Maintained S = Spring Return	Short Lever	Long Lever	Short Lever	Long Lever
		↖	↑	↗		3-Position Operator			
No Contacts	—	—	—	—	M M M	**52SA2CAB**	**52SB2CAB**	**52SX2CAB**	**52SW2CAB**
					M M M	**52SA2BAB**	**52SB2BAB**	**52SX2BAB**	**52SW2BAB**
					S--->M M	**52SA2BBB**	52SB2BBB	**52SX2BBB**	52SW2BBB
					M M<----S	**52SA2BCB**	**52SB2BCB**	52SX2BCB	52SW2BCB
					S--->M<---S	**52SA2BDB**	**52SB2BDB**	**52SX2BDB**	**52SW2BDB**
1 N.O.	A	O	O	X	M M M	**52SA2CABA1**	**52SB2CABA1**	**52SX2CABA1**	**52SW2CABA1**
					S--->M M	**52SA2CBBA1**	**52SB2CBBA1**	**52SX2CBBA1**	52SW2CBBA1
1 N.C.	B	X	O	O	M M<----S	**52SA2CCBA1**	**52SB2CCBA1**	**52SX2CCBA1**	**52SW2CCBA1**
					S--->M<---S	**52SA2CDBA1**	**52SB2CDBA1**	**52SX2CDBA1**	**52SW2CDBA1**
1 N.O.	A	O	O	X	M M M	**52SA2CABA2**	**52SB2CABA2**	**52SX2CABA2**	**52SW2CABA2**
1 N.C.	B	X	O	O	S--->M M	**52SA2CBBA2**	**52SB2CBBA2**	**52SX2CBBA2**	52SW2CBBA2
1 N.O.	C	O	O	X	M M<----S	**52SA2CCBA2**	**52SB2CCBA2**	**52SX2CCBA2**	**52SW2CCBA2**
1 N.C.	D	X	O	O	S--->M<---S	**52SA2CDBA2**	**52SB2CDBA2**	**52SX2CDBA2**	**52SW2CDBA2**
1 N.O.	A	O	O	X					
1 N.C.	B	X	O	O	M M M	**52SA2GABJ2K1**	**52SB2GABJ2K1**	**52SX2GABJ2K1**	**52SW2GABJ2K1**
1 N.C.	C	O	X	O					

		Switch Position				Type	Chrome		Black Max	
Contact Type	Contact	Left	Left Center	Right Center	Right	M = Maintained S = Spring Return	Short Lever	Long Lever	Short Lever	Long Lever
		↖	↖	↗	↗		4-Position Operator			
No Contacts	—	—	—	—	—	M M M M	**52SA2HAB**	**52SB2HAB**	**52SX2HAB**	52SW2HAB
1 N.O.	A	X	O	O	O					
1 N.C.	B	O	X	O	O	M M M M	**52SA2HABJ2K1**	52SB2HABJ2K1	52SX2HABJ2K1	52SW2HABJ2K1
1 N.C.	C	O	O	X	O					
1 N.O.	A	O	O	O	X					
1 N.O.	B	X	O	O	O					
1 N.C.	C	O	X	O	O	M M M M	**52SA2HABJ2K2**	**52SB2HABJ2K2**	52SX2HABJ2K2	52SW2HABJ2K2
1 N.C.	D	O	O	X	O					

Note: X = Closed / O = Open

1) Readily available items are in **bold**.

This is a small representation of stocked items.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Keyed Selector Switch

Selection Guide

Keyed Selector Switch

Part Number	52	S	C						
		a	b	c	d	e	f [3]	g [3]	h

a

Code	Type
S	Selector Switch

b

Code	Finish
C	Chrome – Command 52

c

Code	Style
5	Non-Standard Lock/Key [1a]
6	Standard Lock/Key

d

Code	Function [4]
A	2 Position: CAM A [4]
B	3 Position: CAM B
C	3 Position: CAM C [2 4]
D	3 Position: CAM D
E	3 Position: CAM E
G	3 Position: CAM G
H	4 Position: CAM H

e

Code	Lock Type		
	2 Position		
	Maintained / Spring Return	Key Removal	
		Left	Right
E	All Maintained	X	X
F	All Maintained	X	—
G	All Maintained	—	X
X	Spring from Right	X	—

Code	3 Position				
	Maintained Position	Spring Return	Key Removal		
			Left	Center	Right
E	All	—	X	X	X
F	All	—	X	—	—
G	All	—	—	—	X
H	All	—	—	X	—
J	All	—	X	—	X
K	All	—	X	X	—
M	All	—	—	X	X
T	Center, Right	Left	—	X	—
U	Left, Center	Right	—	X	—
V	Center	Left, Right	—	X	—
W	Center, Right	Left	—	—	X
Y	Center, Right	Left	—	X	X
Z	Left, Center	Right	X	X	X

Code	4 Position				
	Maintained Position	Key Removal			
		Left	Left Center	Right Center	Right
E	All	X	X	X	X
F	All	X	—	—	—
G	All	—	—	—	X

f [3]

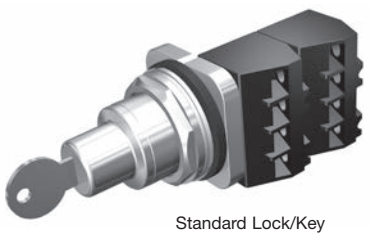
Code	Contact Blocks [4]
A	1 NO - 1 NC
J	1 NC
K	1 NO
E	1 NC (LB)
H	1 NO (EM)

g [3]

Code	Contact Quantity & Location [4]	
	Left	Right
0	1	—
1	—	1
2	1	1
3	2	—
4	—	2
5	2	1
6	1	2
7	2	2
8	3	—
9	—	3

h

Code	Key Type [1b]
Blank	501CH
X298	550CH
X299	549CH
X300	548CH
X301	547CH
X302	506CH



Standard Lock/Key

1a. See page 10/210 for replacement keys, and up-to 15 additional uniquely keyed M - Series Lock Options available for use with the 52SC6 key-operated selector switches.

1b. To order the specific lock types shown in table **h**, simply append the corresponding "X" suffix to a standard part number (Ordering Example: 52SC6AEX298).

Note: Same list price applies as standard keyed locks.

2. C CAM on spring return selectors is limited to 4 contact blocks. For CAM selection see page 10/212.

3 For operator without contact blocks leave positions f and g blank.

4 Key-Operated Selector Switches with CAM types: A or C with Contact Block Codes: A0, A1, A2, A3, A4, J0, J1, J2, J3, J4, K0, K1, K2, K3 or K4 are available with Hazardous Location CL1, DIV2 Rated Contacts when Suffix "HL" is added to the part number.

Key-operated Selector Switch, Non-Illuminated[1)]

Contact Type	Contact	Switch Position Left	Switch Position Right	Type M = Maintained S = Spring Return	Key Removal Left	Key Removal Both
					2-Position Operator	
No Contacts	—	—	—	M M	**52SC6AF**	**52SC6AE**
				M<---S	**52SC6AX**	—
1 N.O.	A	O	X	M M	**52SC6AFK1**	**52SC6AEK1**
				M<---S	**52SC6AXK1**	—
1 N.O.	A	O	X	M M	**52SC6AFA1**	**52SC6AEA1**
1 N.C.	B	X	O	M<---S	**52SC6AXA1**	—

Contact Type	Contact	Switch Position Left	Switch Position Center	Switch Position Right	Type M = Maintained S = Spring Return	Key Removal Left	Key Removal Right	Key Removal Center	Key Removal Left & Center	Key Removal Left & Right	Key Removal Center & Right	Key Removal All Positions
						3-Position Operator						
No Contacts	—	—	—	—	M M M	52SC6CF	52SC6CG	52SC6CH	52SC6CK	52SC6CJ	52SC6CM	**52SC6CE**
					M M M	**52SC6BF**	**52SC6BG**	52SC6BH	52SC6BK	52SC6BJ	52SC6BM	**52SC6BE**
					S--->M M	—	52SC6BW	52SC6BT	—	—	52SC6BY	—
					M M<----S	—	—	52SC6BU	52SC6BZ	—	—	—
					S--->M<---S	—	—	52SC6BV	—	—	—	—
1 N.O.	A	O	O	X	M M M	52SC6CFA1	52SC6CGA1	52SC6CHA1	52SC6CKA1	52SC6CJA1	52SC6CMA1	**52SC6CEA1**
					S--->M M	—	52SC6CWA1	52SC6CTA1	—	—	52SC6CYA1	—
1 N.C.	B	X	O	O	M M<----S	—	—	52SC6CUA1	52SC6CZA1	—	—	—
					S--->M<---S	—	—	52SC6CVA1	—	—	—	—
1 N.O.	A	O	O	X	M M M	52SC6CFA2	52SC6CGA2	52SC6CHA2	52SC6CKA2	52SC6CJA2	52SC6CMA2	**52SC6CEA2**
1 N.C.	B	X	O	O	S--->M M	—	52SC6CWA2	52SC6CTA2	—	—	52SC6CYA2	—
1 N.O.	C	O	O	X	M M<----S	—	—	52SC6CUA2	52SC6CZA2	—	—	—
1 N.C.	D	X	O	O	S--->M<---S	—	—	52SC6CVA2	—	—	—	—
1 N.O.	A	O	O	X								
1 N.C.	B	X	O	O	M M M	52SC6GFJ2K1	52SC6GGJ2K1	52SC6GHJ2K1	52SC6GKJ2K1	52SC6GJJ2K1	52SC6GMJ2K1	**52SC6GEJ2K1**
1 N.C.	C	O	X	O								

Contact Type	Contact	Switch Position Left	Switch Position Left Center	Switch Position Right Center	Switch Position Right	Type M = Maintained S = Spring Return	Key Removal Right	Key Removal All Positions
						4-Position Operator		
No Contacts	—	—	—	—	—	M M M M	**52SC6HG**	52SC6HE
1 N.O.	A	X	O	O	O			
1 N.C.	B	O	X	O	O	M M M M	52SC6HGJ2K1	52SC6HEJ2K1
1 N.C.	C	O	O	X	O			
1 N.O.	A	O	O	O	X			
1 N.O.	B	X	O	O	O			
1 N.C.	C	O	X	O	O	M M M M	52SC6HGJ2K2	52SC6HEJ2K2
1 N.C.	D	O	O	X	O			

Note: X = Closed / O = Open

All Operatores listed above are furnished with Lock No. 501CH

1) Readily available items are in bold.

This is a small representation of stocked items.

Actuators and Indicators, Customized Designs

Special locks

Options

Special locks for key-operated switches

Siemens Key-Operated Selector Switches beginning with 51SA6 or 52SC6 can be optionally ordered with the 15 uniquely keyed M-Series Locks by appending the corresponding **"X"** suffixes from the table below to the catalog number. (Ordering Example for Lock Number M705: 52SC6CEX705).

Note: Pricing for M - Series Locks on this page are slightly higher than standard lock types.

Suffix Code	Lock Number
X705	**M705**
X709	**M709**
X713	**M713**
X714	**M714**
X715	**M715**
X723	**M723**
X725	**M725**
X738	**M738**
X749	**M749**
X750	**M750**
X757	**M757**
X766	**M766**
X779	**M779**
X782	**M782**
X795	**M795**

Spare Keys for Key-Operated Selector Switches

Spare Key	Part Number
550CH (1 Key)	**52KEY-550CH**
549CH (1 Key)	**52KEY-549CH**
548CH (1 Key)	**52KEY-548CH**
547CH (1 Key)	**52KEY-547CH**
501CH (1 Key)	**52KEY-501CH**
506CH (1 Key)	**52KEY-506CH**
M703 (1 Key)	**52KEY-M703**
M705 (1 Key)	**52KEY-M705**
M706 (1 Key)	**52KEY-M706**
M709 (1 Key)	**52KEY-M709**
M712 (1 Key)	**52KEY-M712**
M713 (1 Key)	**52KEY-M713**
M714 (1 Key)	**52KEY-M714**
M715 (1 Key)	**52KEY-M715**
M716 (1 Key)	**52KEY-M716**
M717 (1 Key)	**52KEY-M717**
M723 (1 Key)	**52KEY-M723**
M725 (1 Key)	**52KEY-M725**
M728 (1 Key)	**52KEY-M728**
M730 (1 Key)	**52KEY-M730**
M735 (1 Key)	**52KEY-M735**
M736 (1 Key)	**52KEY-M736**
M738 (1 Key)	**52KEY-M738**
M747 (1 Key)	**52KEY-M747**
M749 (1 Key)	**52KEY-M749**
M750 (1 Key)	**52KEY-M750**
M752 (1 Key)	**52KEY-M752**
M753 (1 Key)	**52KEY-M753**
M756 (1 Key)	**52KEY-M756**
M757 (1 Key)	**52KEY-M757**
M759 (1 Key)	**52KEY-M759**
M766 (1 Key)	**52KEY-M766**
M769 (1 Key)	**52KEY-M769**
M771 (1 Key)	**52KEY-M771**
M779 (1 Key)	**52KEY-M779**
M784 (1 Key)	**52KEY-M784**
M790 (1 Key)	**52KEY-M790**
M795 (1 Key)	**52KEY-M795**
M700 (1 Key)	**52KEY-M700**
M701 (1 Key)	**52KEY-M701**
M702 (1 Key)	**52KEY-M702**
M704 (1 Key)	**52KEY-M704**
M705 (1 Key)	**52KEY-M705**
M707 (1 Key)	**52KEY-M707**
M711 (1 Key)	**52KEY-M711**
M713 (1 Key)	**52KEY-M713**
M715 (1 Key)	**52KEY-M715**
M782 (1 Key)	**52KEY-M782**
M795 (1 Key)	**52KEY-M795**

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Special devices

Selection and ordering data

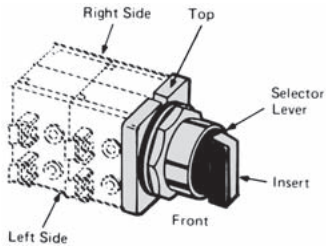
	Version	Ohms / color	Order no.	Pack
				Unit
	2 Button maintained operator	black (flush) / red (flush)	**52MP2A1A2**	1
		black (flush) / red (extended)	**52MP2A1B2**	
		black (flush) / yellow (mushroom)	**52MP2A1W4**	
		green (flush) / red (flush)	**52MP2A3A2**	
		green (flush) / red (extended)	**52MP2A3B2**	
		green (flush) / red (mushroom)	**52MP2A3W2**	
		green (flush) / green (mushroom)	**52MP2A3W3**	
	Button remains depressed when pushed	less caps	**52MP2**	

① For use with 52BAJ (NC) contact block

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Cam selection

Selection and ordering data



Ordering Information

- Contact blocks are ordered separately, see page 10/212
- Determine which table to use based upon the type of selector (non-illum selector switch-top, illum selector switch-middle, and selector pushbutton-bottom).
- Find the correct number of selector positions (2, 3 or 4 positions).
- Select the contact operation required for each selector position. X indicates the contacts are closed, while O indicates the contacts are open. (For the selector pushbutton, N=normal and D=depressed). Contact block must be assembled in position shown for each circuit application.
- Identify the CAM letter required for the chosen contact operation (only 1 CAM can be used per selector switch or selector pushbutton).
- Contact blocks must be assembled in the position shown for each circuit application. The mounting position is viewed from the front of the device.

Ordering CAMs D, E or G

- CAM D, E or G may be ordered at the same price by changing the 6th character of the selector catalog number. Example: Selector with D cam **52SX2DAB.**

Size Requirements

- C CAM on spring return selectors is limited to 4 contact blocks.
- Selector operators in enclosures are limited to depth of 1 contact block. (2 blocks wide).

Non-illuminated and keyed selector switches (viewed from front)

2 Selector Positions		Contact Blocks	CAM	Mounting		
Left	Right			Left		Right
X	O	NC (52BAJ)	A	L	or	R
O	X	NO (52BAK)	A	L	or	R

3 Selector Positions			Contact Blocks	CAM	Mounting		
Left	Center	Right			Left		Right
X	O	O	NO (52BAK)	B			R
O	O	X	NO (52BAK)	B	L		
X	X	O	NC (52BAJ)	B	L		
O	X	X	NC (52BAJ)	B			R
X	O	X	2NO (2-52BAK)	B	L	and	R
X	O	O	NC (52BAJ)	C	L	or	R
O	O	X	NO (52BAK)	C	L	or	R
O	X	O	NC (52BAJ)	D	L	or	R
O	O	X	NO (52BAK)	D	L	or	R
X	O	O	NO (52BAK)	E	L	or	R
O	X	O	NC (52BAJ)	E	L	or	R
X	O	O	NC (52BAJ)	G	L		
O	X	O	NC (52BAJ)	G			R
O	O	X	NO (52BAK)	G	L	or	R

4 Selector Positions				Contact Blocks	CAM	Mounting	
Left	Left Center	Right Center	Right			Left	Right
X	O	O	O	NO (52BAK)	H		R
O	X	O	O	NC (52BAJ)	H	L	
O	O	X	O	NC (52BAJ)	H		R
O	O	O	X	NO (52BAK)	H	L	

Illuminated selector switches (viewed from front)

2 Selector Positions		Contact Blocks	CAM	Mounting	
Left	Right			Left	Right
X	O	NC (52BAJ)	A	L	
O	X	NO (52BAK)	A	L	

3 Selector Positions			Contact Blocks	CAM	Mounting	
Left	Center	Right			Left	Right
O	O	X	NC (52BAJ)	B		R
O	X	O	NO (52BAK)	B		R
X	O	O	NC (52BAJ)	C	L	
O	O	X	NO (52BAK)	C	L	

Selector Pushbuttons (viewed from front)

2 Selector Positions				Contact Blocks	CAM	Mounting		
Left		Right				Left		Right
N	D	N	D					
X	O	O	O	NC (52BAJ)	Q			R
X	X	O	O	NC (52BAJ)	Q	L		
O	X	O	X	NO (52BAK)	Q			R
O	O	O	X	NO (52BAK)	Q	L		
X	O	O	O	NC (52BAJ)	P	L	or	R
O	X	X	X	NO (52BAK)	P	L	or	R
X	X	X	O	NC (52BAJ)	R	L		
X	O	X	X	NC (52BAJ)	R			R
O	X	O	O	NO (52BAK)	R			R
O	O	O	X	NO (52BAK)	R	L		

3 Selector Positions						Contact Blocks	CAM	Mounting	
Left		Center		Right				Left	Right
N	D	N	D	N	D				
X	O	O	O	O	O	NC (52BAJ)	S	L	
X	O	X	X	O	O	NC (52BAJ)	S		R
O	X	O	O	O	X	NO (52BAK)	S		R
O	O	O	X	O	X	NO (52BAK)	S	L	

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Custom selector switch designs

Selection and ordering data

Assembled Non-illuminated Selector Switches

- Determine contact block and location from above.
- Select block suffix. Ex: **J** = **52BAJ**.
- Now select position suffix.
- **1-52BAJ** block mounted on right side, suffix will be **J 1**.
- Additional suffixes allow for multiple quantities and locations.
- Repeat process for next block if required.
- Add list price of blocks to operator list price.
- Consult factory for delivery.

Example 1: X O O
O O X
HAND-OFF-AUTO Maintained Switch
Catalog No **52SA2CAB** **A** **1** **=** **52A2CABA1**
(**52BJK** block mounted on right side)

Example 2: X O O **52BAJ** (L)
O X O **52BAJ** (R)
O O X **52BAK** (L or R) **}K1**
G Cam required
Catalog No **52SA2GAB** **J2** **K1** **=** **52SA2GABJ2K1**

Block Suffix

A = 1 NO - 1 NC, **52BJK**
E = NC Late Break, **52BAE**
H = NO Early Make, **52BAH**
J = NC, **52BAJ**
K = NO, **52BAK**

Position Suffix

	Quantity and Location	
Suffix	Left	Right
0	1	—
1	—	1
2	1	1
3	2	—
4	—	2
5	2	1
6	1	2
7	2	2
8	3	—
9	—	3

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Accessories and spare parts

Selection and ordering data

	Version	Suitable for	Color	Order no.
	**Flush actuator lens cap** The 52RC1 Screw-on style caps shown are used on the new 52BM8 & 52PM8 Pushbutton Operators.	For flush type, non-illuminated pushbuttons bag of 5 caps	black red green yellow blue gray orange kit- all colors	**52RC1A1** **52RC1A2** **52RC1A3** **52RC1A4** **52RC1A5** **52RC1A6** **52RC1A8** **52RC1AN**
	**Extended actuator lens cap** The 52RC1 Screw-on style caps shown are used on the new 52BM8 & 52PM8 Pushbutton Operators.	For extended type, non-illuminated pushbuttons bag of 5 caps	black red green yellow blue gray orange 1 of each color cap	**52RC1B1** **52RC1B2** **52RC1B3** **52RC1B4** **52RC1B5** **52RC1B6** **52RC1B8** **52RC1BN**
	**Replacement Lens for Indicator Lights**	For catalog numbers starting with 52PL or 52BL[1] Plastic	red green blue amber clear white 1 of each color	**52RA4S2** **52RA4S3** **52RA4S5** **52RA4S9** **52RA4SA** **52RA4SB** **52RA4SN**
		Glass	red green blue amber clear white 1 of each color	**52RA4T2** **52RA4T3** **52RA4T5** **52RA4T9** **52RA4TA** **52RA4TB** **52RA4TN**
	**Replacement Lens forPush to Test/ Illuminated Pushbuttons** The 52RA5S Raised lens caps shown are used on the 52BT6 & 52PT6 PTT/Illuminated Pushbutton Operators. To order Flush lens caps for the new style 52BT8 & 52PT8 PTT/Illuminated Pushbutton Operators change the 52RA5S prefix to 52RC5P (i.e. 52RC5P2).	For catalog numbers starting with 52PT or 52BT[1] Plastic	red green blue amber clear white	**52RA5S2** **52RA5S3** **52RA5S5** **52RA5S9** **52RA5SA** **52RA5SB**

[1] It is possible to retrofit catalog numbers starting with 52PA, 52PE and 52PX with the replacement lens. The new lens have concentric ribs for improved light distribution.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Accessories and spare parts

Selection and ordering data

	Version	Suitable for	Color	Order no.
	Mushroom head push pull illuminated plastic screw-on type	For small 1 3/4" type, push-pull units	red	**52RC3JR**
			green	**52RC3JS**
			amber	**52RC3JT**
		For large 2 1/2" type, push-pull units	red	**52RC3KR**
			green	**52RC3KS**
			amber	**52RC3KT**
	**Mushroom head push pull illuminated metal screw-on type**	Chrome, for small 1 3/4" type, push-pull units	red	**52RB3H2**
			green	**52RB3H3**
			amber	**52RB3H9**
			white	**52RB3HB**
		BlackMax, for small 1 3/4" type, push-pull units	red	**52RX3H2**
			green	**52RX3H3**
			amber	**52RX3H9**
			white	**52RX3HB**
	**Mushroom head push pull non-illuminated plastic screw-on type**	For small 1 3/4" type, push-pull units (catalog numbers starting with 52PP, 52BP, 52PM9 or 52BM9)	black	**52RC3D1**
			red	**52RC3D2**
			green	**52RC3D3**
			yellow	**52RC3D4**
			blue	**52RC3D5**
			gray	**52RC3D6**
			orange	**52RC3D8**
			1 of each color	**52RC3DN**
		For large 2 1/2" type, push-pull units (catalog numbers starting with 52PP, 52BP, 52PM9 or 52BM9)	black	**52RC3E1**
			red	**52RC3E2**
			green	**52RC3E3**
			yellow	**52RC3E4**
			blue	**52RC3E5**
			gray	**52RC3E6**
			orange	**52RC3E8**
			1 of each color	**52RC3EN**
	Mushroom head push pull non-illuminated metal screw-on type	For small 1 3/4" type, push-pull units (catalog numbers starting with 52PP or 52BP)	red	**52RC3F2**
			green	**52RC3F3**
			chrome	**52RC3FC**
	**Twist to release head illuminated plastic screw-on type**	For small twist to release units	red	**52RC3RR**
			green	**52RC3RS**
			amber	**52RC3RT**
	**Twist to release head non-illuminated plastic screw-on type**	For small twist to release units	red	**52RC3R2**
			green	**52RC3R3**
			yellow	**52RC3R4**
	**Replacement lens kit for Illuminated selector switches (Knob with Insert)**		red	**52RA6P2**
			green	**52RA6P3**
			blue	**52RA6P5**
			amber	**52RA6P9**
			clear	**52RA6PA**
			white	**52RA6PB**
	**Lever inserts**			
	Short lever		red	**52RA2A2**
			green	**52RA2A3**
			yellow	**52RA2A4**
			blue	**52RA2A5**
			gray	**52RA2A6**
			orange	**52RA2A8**
			white	**52RA2AB**
	**Long lever**		red	**52RA2B2**
			green	**52RA2B3**
			yellow	**52RA2B4**
			blue	**52RA2B5**
			gray	**52RA2B6**
			orange	**52RA2B8**
			white	**52RA2BB**

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Accessories and spare parts

Selection and ordering data

	Version	Suitable for	Color	Order no.
	**Protective boot** Offers protection from ice and foreign substances from interfering with button operation	Flush pushbutton operations	clear black	**52AABA** **52AAB1**
	**Guards** Prevents accidental operation	Non-illuminated basic pushbuttons	chrome blackmax	**52AAGP** **52AXGP**
		1 5/8" mushroom pushbuttons, 1 3/4" push-pull units①, and twist to release units	chrome blackmax	**52AAGM** **52AXGM**
		Push to test/illuminated pushbutton and indicator lights	chrome blackmax	**52AAGL** **52AXGL**
	**EMERGENCY-STOP Backing Ring**	Yellow 90mm E-STOP Backing Ring		**52AAR**
	**Locknuts** Replacement front ring	Non-illuminated basic pushbuttons	chrome blackmax	**52AANP** **52AXNP**
		Non-illuminated mushroom pushbuttons	chrome blackmax	**52AANL** **52AXNL**
		Push-pull and twist-to-release units (only for push-pull units starting with 52PP or 52BP)②	chrome blackmax	**52CANP** **52CXNP**
		Indicator Lights	blue amber	**52AANL** **52AXNL**
		Selector switches	chrome blackmax	**52AANS** **52AXNS**
	Mounting Accessories	Class 52 Trim Washer Kit (Set of 10 pcs) Class 52 Washer Kit (Include 2-Neoprene Gaskets, 1-Trim Washer, 1-Index Locking Ring (chrome)	chrome	**52AAQ** **52AAD**
	Padlock attachments	Non-illuminated basic pushbuttons	flush extended	**52AALA** **52AALB**
	**EMERGENCY-STOP Lock Out**	Class 52 Illuminated Mushroom Head Pushbuttons; 304 Stainless Steel	chrome (304 SS)	**52AALE**
	Padlock cover Lock devices in off position	Pushbuttons, selector switches, and non-illuminated mushroom heads		**52AALS**
	**Lock nut wrench**	All devices		**52MAWB**
	**Hole plugs**		corrosion resistant steel, grey stainless steel	**52AAH6** **52ABH6** **52ABHS**
	Spare keys (Kit includes 1 Key)	Class 52 Standard Keyed Selector Switch. Keyed Selector Switch ordered with Suffix X302. Keyed Selector Switch ordered with Suffix X301. Keyed Selector Switch ordered with Suffix X300. Keyed Selector Switch ordered with Suffix X299. Keyed Selector Switch ordered with Suffix X298.	501CH 506CH 547CH 548CH 549CH 550CH	**52KEY-501CH** **52KEY-506CH** **52KEY-547CH** **52KEY-548CH** **52KEY-549CH** **52KEY-550CH**
	Grounding kit	All devices		**52AL109145**

① These can also be used with the 1 5/8" push-pull devices.
② For push-pull units starting with part numbers 52PA, 52PE or 52PX, replacement locknuts can be ordered using 52AANL (Chrome) and 52AXNL (BlackMax).

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Accessories and spare parts

Selection and ordering data⑤

	Contact version	Number of NO contacts	NC contacts	Version	Plunger color	SD	Article No.
Touchsafe contact blocks for UL Ordinary Location only							
							Screw terminals ⊕
 52BAK	Silver alloy	1	0	1 NO	White		**52BAK**
		0	1 Ⓟ	1 NC	Red		**52BAJ**②
		1	1 Ⓟ	1 NO - 1 NC	Black		**52BJK**②
		1	0	1 NO early make (closes before 52BAK)	Green		**52BAH**
		0	1	1 NC late break (opens after 52BAJ)	Yellow		**52BAE**
		0	1	1 NC extra late break (opens after 52BAE)	Blue		**52BAU**
Touchsafe contact blocks for UL Ordinary Location & UL Hazardous Location, CL1, DIV2 ①							
 52BJKHL	Factory Sealed	1	0	1 NO			**52BAKHL**③④
		0	1	1 NC			**52BAJHL**③④
		1	1	1 NO - 1 NC			**52BJKHL**③

① HL Series Contact Blocks and Reed Switch are UL listed, for Hazardous Location Class 1, Division 2 Applications.

② Ⓟ Positive opening according to IEC 60947-5-1, Appendix K.

③ HL Series Contact Blocks are Rated ½ HP@120Vac / 1 HP@208/240/277Vac. See Instruction Sheet E87010-0524-T003-A3, for complete ratings.

④ HL Series Single-contact Blocks are rated 690Vac, 16A, 50-60Hz, See Instruction Sheet E87010-0524-T003-A3, for complete ratings.

⑤ See Technical Data on page 10/226

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Accessories and spare parts

Selection and ordering data



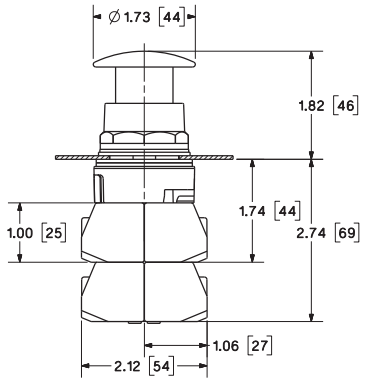
Version	Suitable for	Lamp voltage	Color	Order no.
Lamps with screw connection, miniature bayonet (BA 9s style)				
Incandescent lamps,				
Flashing, type 267 lamp (replaces 755 lamp)	51, 52	6 V		**52AABNF**
6V type 755 lamp (Rated 150 mA)	51, 52	6 V		**52AABN**
12V type 756 (Rated 80 mA)	51, 52	12 V		**52AACN**
24V type 757 (Rated 80 mA)	51, 52	24 V		**52AADN**
48V, 2W	52	48 V		**3SB1902-1AP**
60V, 2W	52	60 V		**3SR9424**
120V, 2.5W, type #120MB (Rated 250 mA)	52	120 V		**52AAENC1**
Neon (uses resistors) type B2A (NE-51H)	52	120 V		**52AAPN**
Candelabra, 120V, 3W, Full voltage type 3S6/5	52 older revision styles	120 V		**52AAENC**
LED bulbs①				
LED, BA9s type	Class 52	6 V AC/DC		**52AEB□**
		24 V AC/DC		**52AED□**
		120 V AC/DC		**52AEE□**
Super-Bright LED	Class 52	6 V AC/DC		**52AEB□7**
		24 V AC/DC		**52AED□7**
LED lighting module with integrated LED②				
Single LED	Class 52	6-24 V AC/DC		**52AAIL□**
		24-240V AC/DC		**52AAIU□**
Full voltage lighting module accessory with BA9s type lamp①③				
LED	Class 52	6 V AC/DC		**52AAFB□B**
		24 V AC/DC		**52AAFD□B**
		120 V AC/DC		**52AAFE□B**
Super-Bright LED	Class 52	6 V AC/DC		**52AAFB□Y**
		24 V AC/DC		**52AAFD□Y**
Incandescent bulb	Class 52	6 V AC/DC		**52AAFB**
		24 V AC/DC		**52AAFD**
		120 V AC/DC		**52AAFE**
Transformer lighting module accessory with BA9s type lamp①③				
LED	Class 52	120 V AC		**52AATG□B**
		240 V AC		**52AATH□B**
		277 V AC		**52AATT□B**
		480 V AC		**52AATJ□B**
		600 V AC		**52AATK□B**
Super-Bright LED	Class 52	120 V AC		**52AATG□Y**
		240 V AC		**52AATH□Y**
		277 V AC		**52AATT□Y**
		480 V AC		**52AATJ□Y**
		600 V AC		**52AATK□Y**
Incandescent bulb	Class 52	120 V AC		**52AATGN**
		240 V AC		**52AATHN**
		277 V AC		**52AATTN**
		480 V AC		**52AATJN**
		600 V AC		**52AATKN**
		Color options:	red	**2**
			green	**3**
			yellow/amber	**4**
			blue	**5**
			white/clear	**B**

① Standard LED lamps are recommended for indoor applications, Super-Bright LED Lamps are recommended for outdoor applications.
② Integrated LED Light Modules are rated, for UL Ordinary Location, UL Hazardous Location Class 1, Division 2 Applications.
③ Light Modules with BA9s Lamp Sockets are rated, for both UL Ordinary Location and UL Hazardous Location Class 1, Division 2 Applications.

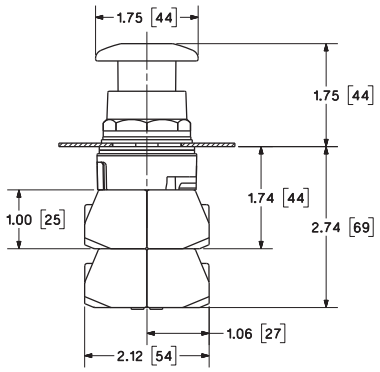
30mm Water, Oil Tight & Corrosion Resistant – Class 52

Dimensional drawings

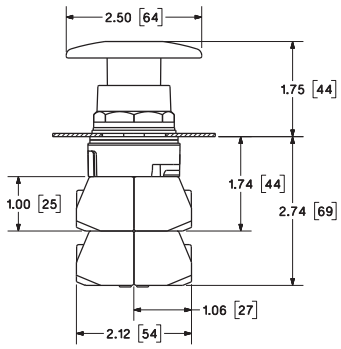
Non-Illuminated Push-Pull Metal Mushroom Head



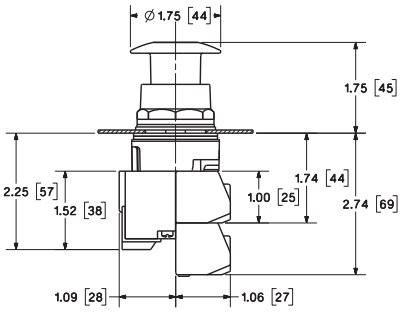
Non-Illuminated Push-Pull Small Plastic Mushroom Head



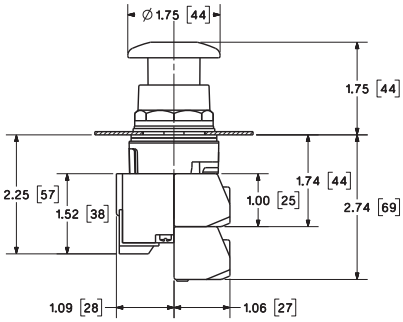
Non-Illuminated Push-Pull Large Plastic Mushroom Head



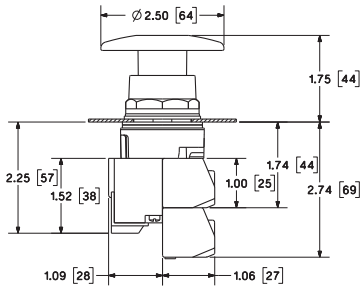
Illuminated Push-Pull Metal Mushroom Head



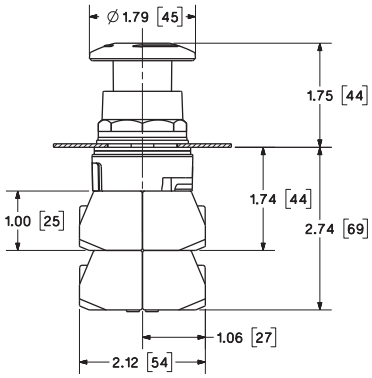
Fully Illuminated Push-Pull Small Plastic Mushroom Head



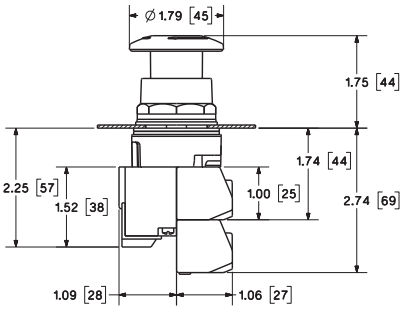
Illuminated Push-Pull Large Plastic Mushroom Head



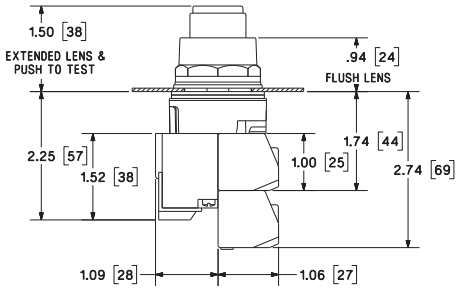
Non-Illuminated Twist Release Plastic Mushroom Head



Illuminated Twist Release Plastic Mushroom Head



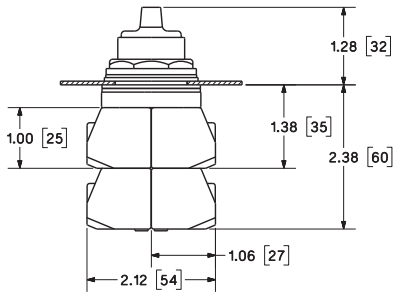
Illuminated Pushbutton Flush Lens
Illuminated Pushbutton Extended Lens
Illuminated Push to Test



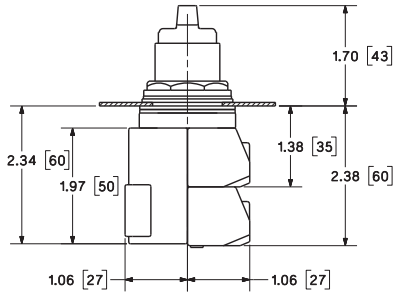
30mm Water, Oil Tight & Corrosion Resistant – Class 52

Dimensional drawings

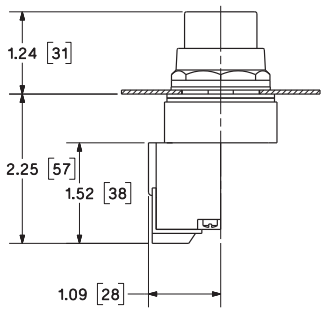
Selector Switch Non-Illuminated



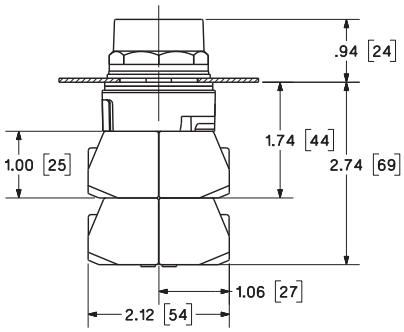
Selector Switch Illuminated



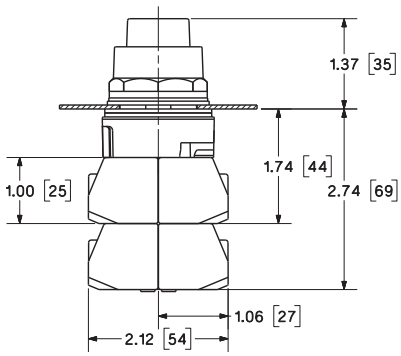
Indicator Light Plastic Lens



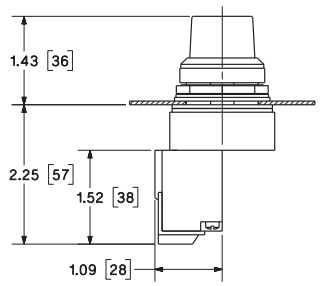
Momentary Pushbutton Non-Illuminated Flush Cap



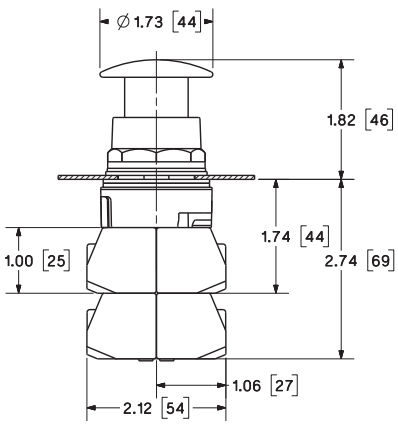
Momentary Pushbutton Non-Illuminated Raised Cap



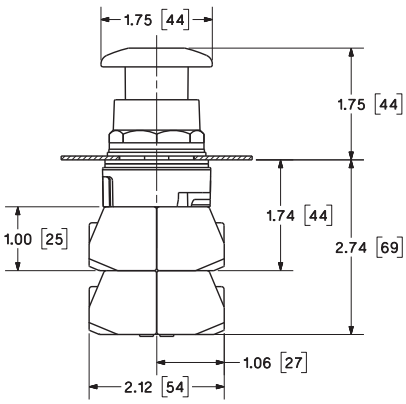
Indicator Light Glass Lens



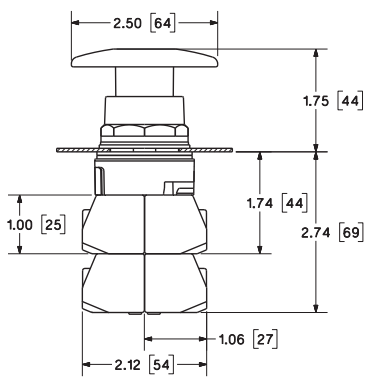
Momentary Pushbutton Metal Mushroom Head



Momentary Pushbutton Small Plastic Mushroom Head



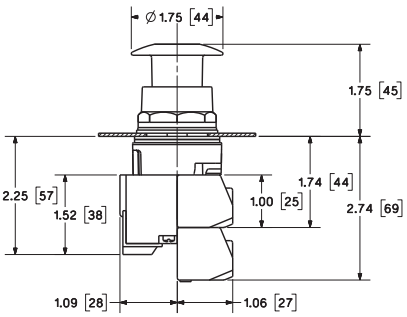
Momentary Pushbutton Large Plastic Mushroom Head



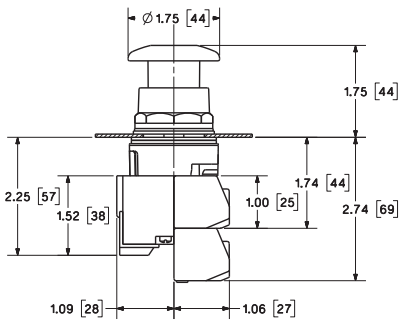
30mm Water, Oil Tight & Corrosion Resistant – Class 52

Dimensional drawings

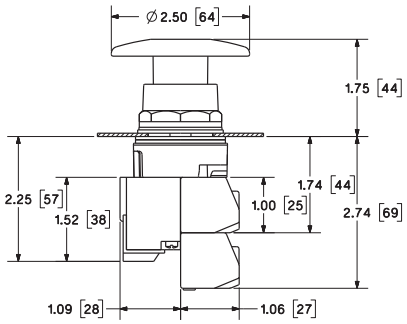
Illuminated Momentary Pushbutton Metal Mushroom Head



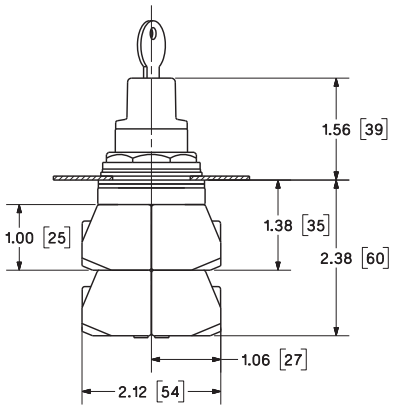
Illuminated Momentary Pushbutton Small Plastic Mushroom Head



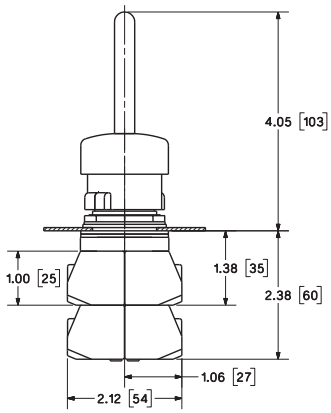
Illuminated Momentary Pushbutton Large Plastic Mushroom Head



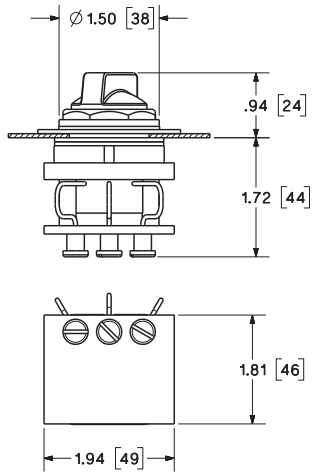
Selector Switch Keyed



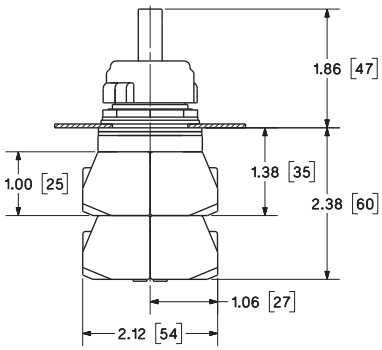
Wobble Switch



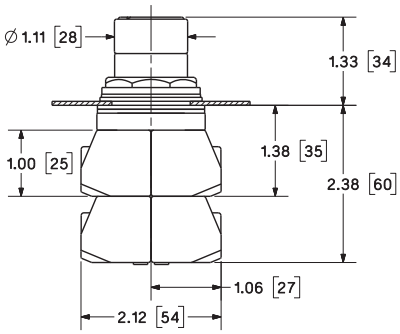
Potentiometer Switch



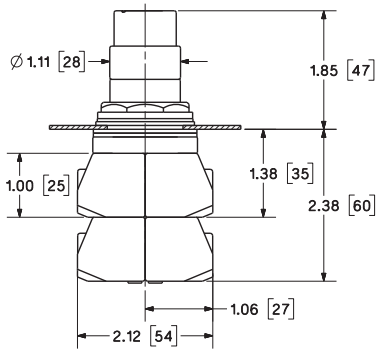
Toggle Switch



Selector Pushbutton Switch Flush Cap



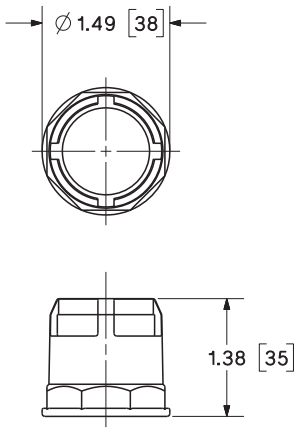
Selector Pushbutton Switch Raised Cap



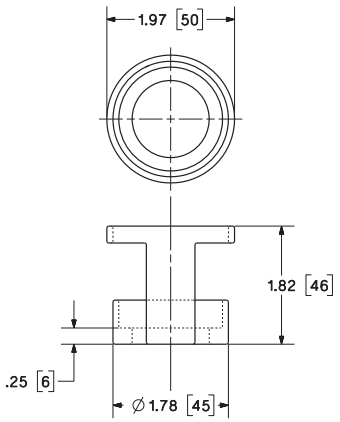
30mm Water, Oil Tight & Corrosion Resistant – Class 52

Dimensional drawings

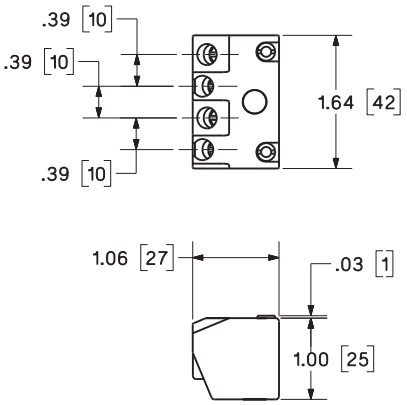
Momentary Pushbutton Guard
Illuminated Push to Test Guard



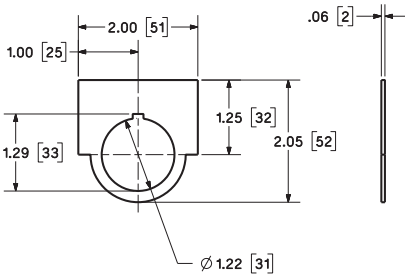
Mushroom Head Guard



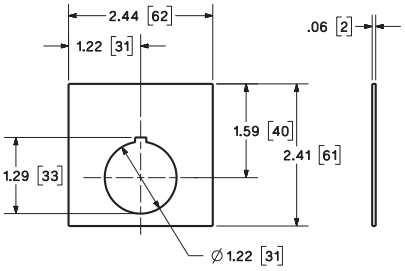
Contact Block



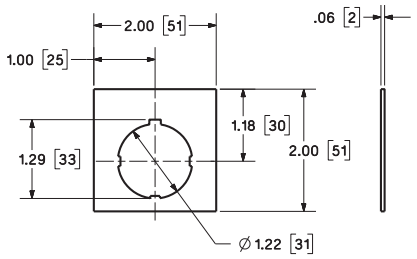
Large Metal Legend Plate



Automotive Metal Legend Plate



Large Plastic Legend Plate



Break Glass and Emergency Power Off Pushbutton (EPO) Stations

Selection and ordering data

Description	Degree of protection	Conduit Entry 3/4" NPT	No. of command points	Contact①	Legend Plate	Order no.
Class 52 Oiltight Pushbutton Stations③						
Break Glass Pushbutton Station 	NEMA 4X	Side	1	1NO-1NC	"EMERGENCY SHUT-OFF"	**52G112FB**
					"EMERGENCY OFF"	**52G113FB**
					"EMERGENCY POWER OFF"	**52G114FB**
					"EMERGENCY GENERATOR STOP"	**52G115FB**
		Rear②			"EMERGENCY SHUT-OFF"	**52G112FR**
					"EMERGENCY OFF"	**52G113FR**
					"EMERGENCY POWER OFF"	**52G114FR**
					"EMERGENCY GENERATOR STOP"	**52G115FR**
		Side and Rear②			"EMERGENCY SHUT-OFF"	**52G112FD**
					"EMERGENCY OFF"	**52G113FD**
					"EMERGENCY POWER OFF"	**52G114FD**
					"EMERGENCY GENERATOR STOP"	**52G115FD**
Emergency Power Off EPO Pushbutton Station 	NEMA 4X	Side	1	1NO-1NC	"EMERGENCY POWER OFF"	**52C114EB**
	NEMA 12/13	N/A	1	1NO-1NC	"EMERGENCY POWER OFF"	**52C114A**

Accessories

Break Glass Pushbutton with 1NO-1NC, 4 Extra Glass Lens Inserts		**52PM8AGA**
Break Glass Pushbutton with 1NO-1NC, 4 Extra Glass Lens Inserts, Mallet, Chain, Clip, Mounting Screw④		**52PM8AGAH**
Replacement Glass Lens Insert Kit (5 piece pack)		**52RC1AG**
Break Glass Legend Plates⑤	"EMERGENCY SHUT-OFF"	**52NL112R**
	"EMERGENCY OFF"	**52NL113R**
	"EMERGENCY POWER OFF"	**52NL114R**
	"EMERGENCY GENERATOR STOP"	**52NL115R**
EPO Legend Plate⑤	"EMERGENCY POWER OFF"	**52NF214R**
Enclosure, NEMA 4X Aluminum with ANSI 61 Gray finish comes with one 3/4" - 14 NPT conduit entry in side of enclosure, and one Empty Command Point for fitting 30mm Round Devices.		**P30EMS01EB**

① Pushbutton Station comes with 1) 52BJK, 1NO-1NC contact rated NEMA A600/P600. One additional Class 52 contact block may be field installed if required.
② Versions with Conduit Entry from the Rear available February 2020.
③ All Glass Break Pushbutton Stations come with 4 Extra Glass Lens Inserts.
④ Sealant is not supplied with 52PM8AGAH kits. Note: Teflon Tape or Pipe Dope is required on the Mallet Mounting Clip Screw when field installed in a NEMA 4X Enclosure.
⑤ For a more comprehensive list of our most common legend plates, see page 10/227.

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Class 52 oiltight pushbutton stations

Selection and ordering data

	Actuator identification C = top device in station B = middle device in station A = bottom device in station	Degree of protection①	Contact / voltage	No. of command points	Order no.	Pack Unit
1 unit control station	A = Momentary flush pushbutton black, label “START”	NEMA 12	1NO - 1NC	1	**52C101A**	
	A = Momentary raised pushbutton red, label “STOP”	NEMA 12	1NO - 1NC	1	**52C103A**	
	A = Momentary mushroom head red, label “STOP”	NEMA 12	1NO - 1NC	1	**52C104A**	
	A = Maintained metal mushroom head red, label “EMERGENCY STOP”	NEMA 12	1NO - 1NC	1	**52C117A**	
	A = 2 position selector switch “OFF-ON”	NEMA 12	1NO - 1NC	1	**52C159A**	
	A = 3 position selector switch “HAND-OFF-AUTO”	NEMA 12	1NO - 1NC	1	**52C156A**	
	A = Indicator light, red	NEMA 12	120V Transformer type	1	**52C131A**	
	A = Indicator light, green	NEMA 12	120V Transformer type	1	**52C135A**	
	A = Momentary flush pushbutton black, label “START”	NEMA 4X Stainless Steel	1NO - 1NC	1	**52C101S**	
	A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Stainless Steel	1NO - 1NC	1	**52C103S**	
	A = Momentary mushroom head red, label “STOP”	NEMA 4X Stainless Steel	1NO - 1NC	1	**52C104S**	
	A = Maintained plastic mushroom head red, label “EMERGENCY STOP”	NEMA 4X Stainless Steel	1NO - 1NC	1	**52C116S**	
	A = 2 position selector switch “OFF-ON”	NEMA 4X Stainless Steel	1NO - 1NC	1	**52C159S**	
	A = 3 position selector switch “HAND-OFF-AUTO”	NEMA 4X Stainless Steel	1NO - 1NC	1	**52C156S**	
	A = Momentary flush pushbutton black, label “START”	NEMA 4X Fiberglass	1NO - 1NC	1	**52C101X**	
	A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Fiberglass	1NO - 1NC	1	**52C103X**	
	A = Momentary mushroom head red, label “STOP”	NEMA 4X Fiberglass	1NO - 1NC	1	**52C104X**	
	A = Maintained plastic mushroom head red, label “EMERGENCY STOP”	NEMA 4X Fiberglass	1NO - 1NC	1	**52C116X**	
	A = 2 position selector switch “OFF-ON”	NEMA 4X Fiberglass	1NO - 1NC	1	**52C159X**	
	A = 3 position selector switch “HAND-OFF-AUTO”	NEMA 4X Fiberglass	1NO - 1NC	1	**52C156X**	
2 unit control station	B = Momentary flush pushbutton black, label “START” A = Momentary raised pushbutton red, label “STOP”	NEMA 12	1NO, 1NC 1NO, 1NC	2	**52C201A**	
	B = Momentary flush pushbutton black, label “START” A = Momentary Mushroom head pushbutton red, label “STOP”	NEMA 12	1NO, 1NC 1NO, 1NC	2	**52C202A**	
	B = Momentary flush pushbutton, label “FORWARD” A = Momentary flush pushbutton, label “REVERSE”	NEMA 12	1NO, 1NC 1NO, 1NC	2	**52C204A**	
	B = Momentary flush pushbutton, label “UP” A = Momentary flush pushbutton, label “DOWN”	NEMA 12	1NO, 1NC 1NO, 1NC	2	**52C223A**	
	B = Indicator light, red, label “RUN” A = Maintained selector switch, label “HAND-OFF-AUTO”	NEMA 12	120V Transformer type	2	**52C224A**	
	B = Indicator light, red A = Indicator light, green	NEMA 12	120V Transformer type	2	**52C230A**	
	B = Momentary flush pushbutton black, label “START” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC	2	**52C201S**	
	B = Momentary flush pushbutton black, label “START” A = Momentary Mushroom head pushbutton red, label “STOP”	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC	2	**52C202S**	
	B = Momentary flush pushbutton, label “UP” A = Momentary flush pushbutton, label “DOWN”	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC	2	**52C223S**	
	B = Indicator light, red, label “RUN” A = Maintained selector switch, label “HAND-OFF-AUTO”	NEMA 4X Stainless Steel	120V Transformer type 1NO, 1NC	2	**52C224S**	
	B = Momentary flush pushbutton black, label “START” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC	2	**52C201X**	
	B = Momentary flush pushbutton black, label “START” A = Momentary Mushroom head pushbutton red, label “STOP”	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC	2	**52C202X**	
	B = Momentary flush pushbutton, label “UP” A = Momentary flush pushbutton, label “DOWN”	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC	2	**52C223X**	
	B = Indicator light, red, label “RUN” A = Maintained selector switch, label “HAND-OFF-AUTO”	NEMA 4X Fiberglass	120V Transformer type 1NO, 1NC	2	**52C224X**	

① NEMA 4X Stainless Steel Enclosure is 304 SS.

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Class 52 oiltight pushbutton stations

Selection and ordering data

	Actuator identification	Degree of protection①	Contact / voltage	No. of command points	Order no.	Pack Unit
3 unit control station 	C = Indicator light, red B = Momentary flush pushbutton black, label “START” A = Momentary raised pushbutton red, label “STOP”	NEMA 12	120V 1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C307A**	
	C = Momentary flush pushbutton black, label “FORWARD” B = Momentary flush pushbutton black, label “REVERSE” A = Momentary raised pushbutton red, label “STOP”	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C301A**	
	C = Momentary flush pushbutton black, label “UP” B = Momentary flush pushbutton black, label “DOWN” A = Momentary raised pushbutton red, label “STOP”	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C332A**	
	C = Momentary flush pushbutton black, label “OPEN” B = Momentary flush pushbutton black, label “CLOSE” A = Momentary raised pushbutton red, label “STOP”	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C333A**	
	C = Momentary flush pushbutton black, label “HI” B = Momentary flush pushbutton, black label “LOW” A = Momentary raised pushbutton red, label “STOP”	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C334A**	
	C = Indicator light, red B = Momentary flush pushbutton black, label “START” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Stainless Steel	120V 1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C307S**	
	C = Momentary flush pushbutton black, label “FORWARD” B = Momentary flush pushbutton black, label “REVERSE” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C301S**	
	C = Momentary flush pushbutton black, label “UP” B = Momentary flush pushbutton black, label “DOWN” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C332S**	
	C = Momentary flush pushbutton black, label “OPEN” B = Momentary flush pushbutton black, label “CLOSE” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C333S**	
	C = Momentary flush pushbutton black, label “HI” B = Momentary flush pushbutton, black label “LOW” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C334S**	
	C = Indicator light, red B = Momentary flush pushbutton black, label “START” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Fiberglass	120V 1NO, 1NC 1NO, 1NC	3	**52C307X**	
	C = Momentary flush pushbutton black, label “FORWARD” B = Momentary flush pushbutton black, label “REVERSE” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C301X**	
	C = Momentary flush pushbutton black, label “UP” B = Momentary flush pushbutton black, label “DOWN” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C332X**	
	C = Momentary flush pushbutton black, label “OPEN” B = Momentary flush pushbutton black, label “CLOSE” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C333X**	
	C = Momentary flush pushbutton black, label “HI” B = Momentary flush pushbutton, black label “LOW” A = Momentary raised pushbutton red, label “STOP”	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	**52C334X**	

① NEMA 4X Stainless Steel Enclosure is 304 SS.

30mm Water, Oil Tight & Corrosion Resistant - Class 52

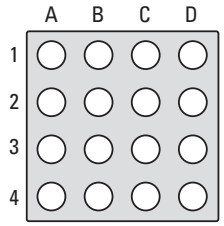
Empty enclosures

Selection and ordering data



Version	Number of command points	Degree of protection	Order No.①	Pack Unit
Standard enclosures come with 2 1/4" leg center for legend spacing. Automotive end plates require 2 1/2 " spacing. For more than 2 contact blocks on the right or left, use extra deep enclosure. Mounting hole arrangement 1 thu 4 are in one row 6 holes are 3 down and 2 across 9 holes are 3 down and 3 across 12 holes are 4 down and 3 across 16 holes are 4 down and 4 across	1	NEMA Type 12/13	**P30EMS01**	
	1	NEMA Type 12/13 extra deep	**P30EMS01D**	
	1	NEMA Type 4/4X stainless steel	**P30EMS014**	
	1	NEMA Type 4/4X Fiberglass	**P30EMS01X**	
	2	NEMA Type 12/13	**P30EMS02**	
	2	NEMA Type 12/13 extra deep	**P30EMS02D**	
	2	NEMA Type 4/4X stainless steel	**P30EMS024**	
	2	NEMA Type 4/4X Fiberglass	**P30EMS02X**	
	3	NEMA Type 12/13	**P30EMS03**	
	3	NEMA Type 12/13 extra deep	**P30EMS03D**	
	3	NEMA Type 4/4X stainless steel	**P30EMS034**	
	3	NEMA Type 4/4X Fiberglass	**P30EMS03X**	
	4	NEMA Type 12/13	**P30EMS04**	
	4	NEMA Type 12/13 extra deep	**P30EMS04D**	
	4	NEMA Type 4/4X stainless steel	**P30EMS044**	
	4	NEMA Type 4/4X Fiberglass	**P30EMS04X**	
	6	NEMA Type 12/13	**P30EMS06**	
	6	NEMA Type 12/13 extra deep	**P30EMS06D**	
	6	NEMA Type 4/4X stainless steel	**P30EMS064**	
	9	NEMA Type 12/13	**P30EMS09**	
	9	NEMA Type 12/13 extra deep	**P30EMS09D**	
	9	NEMA Type 4/4X stainless steel	**P30EMS094**	
	12	NEMA Type 12/13	**P30EMS12**	
	12	NEMA Type 12/13 extra deep	**P30EMS12D**	
	12	NEMA Type 4/4X stainless steel	**P30EMS124**	
	16	NEMA Type 12/13	**P30EMS16**	
	16	NEMA Type 12/13 extra deep	**P30EMS16D**	
	16	NEMA Type 4/4X stainless steel	**P30EMS164**	

Order Form



Enclosure Hole Arrangement

Ordering Information

To order non-standard control stations select catalog numbers from the previous pages, determine the required position in the enclosure and fill in the table below. If a special legend plate is required, specify description in the table. The combined list prices of the components is the list price of the station.

- Select enclosure
- Vertical or Horizontal. Outline Diagram at left starting at the top left-hand corner. Example: 3 unit vertical outline location No. 1A, 2A and 3A. 3 unit horizontal outline location No. 1A, 1B, and 1C
- List location No. and applicable catalog numbers in the table below. Use complete catalog numbers where possible

Order No./Item No.

Customer

Enclosure Catalog No.

Location	Operator PB-SEL.-PL	Accessories Key Lock, Boot, Etc,	Legend Plate Legend or Blank	Special Marking

① NEMA 4X Stainless Steel Enclosure is 304 SS.

30 mm Heavy Duty, Watertight/Oiltight, Class 52

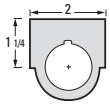
Legend plates for Class 51 and 52

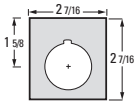
Design

The 30 mm legend plates are approved for the use with both Class 51 and Class 52 devices.
Automotive legend plates require 2 1/2" mounting centers. Plastic legend plates will have white letters ingraved.

When ordering custom engraved legend plates, specify the required inscription text.

Selection and ordering data





Inscription	Large (1 1/4" x 2") Order No.	Automotive① (2 7/16" x 2 7/16") Order No.	Large Plastic② (2 1/16" x 2") Order No.	Automotive Plastic①② (2 7/16" x 2 7/16") Order No.
"Blank (brushed aluminum)"	**52NL02**	**52NA02**	—	—
"Blank (red)"	**52NL02R**	**52NA02R**	**52ND02R**	**52NE02R**
"Blank (Black)"	**52NL02B**	**52NA02B**	**52ND02B**	**52NE02B**
Inscribed legend plates with large brushed aluminum background				
Close	**52NL18**	**52NA18**	—	—
Down	**52NL10**	**52NA10**	—	—
Emerg Stop	**52NL16**	**52NA16**	—	—
Emerg Stop (red)	**52NL16R**	**52NA16R**	—	—
Fast-Slow	**52NL33**	**52NA33**	—	—
Forward	**52NL05**	**52NA05**	—	—
For-Off-Rev	**52NL38**	**52NA38**	—	—
For-Rev	**52NL31**	**52NA31**	—	—
Hand-Off-Auto	**52NL37**	**52NA37**	—	—
High	**52NL07**	**52NA07**	—	—
High-Low	**52NL30**	**52NA30**	—	—
High-Off-Low	**52NL44**	**52NA44**	—	—
In	**52NL21**	**52NA21**	—	—
Jog	**52NL13**	**52NA13**	—	—
Jog-Forward	**52NL24**	**52NA24**	—	—
Jog-Reverse	**52NL25**	**52NA25**	—	—
Low	**52NL08**	**52NA08**	—	—
Lower	**52NL20**	**52NA20**	—	—
Man-Auto	**52NL35**	**52NA35**	—	—
Off	**52NL12**	**52NA12**	—	—
Off-On	**52NL26**	**52NA26**	—	—
On	**52NL11**	**52NA11**	—	—
On-Off-Auto	**52NL40**	**52NA40**	—	—
Open	**52NL17**	**52NA17**	—	—
Open-Close	**52NL34**	**52NA34**	—	—
Open-Off-Close	**52NL41**	**52NA41**	—	—
Out	**52NL22**	**52NA22**	—	—
Pull to Start Push to Stop	**52NL47**	**52NA47**	—	—
Raise	**52NL19**	**52NA19**	—	—
Raise-Lower	**52NL36**	**52NA36**	—	—
Reset	**52NL14**	**52NA14**	—	—
Reverse	**52NL06**	**52NA06**	—	—
Run	**52NL23**	**52NA23**	—	—
Run-Jog	**52NL29**	**52NA29**	—	—
Safe-Run	**52NL27**	**52NA27**	—	—
Slow-Off-Fast	**52NL39**	**52NA39**	—	—
Start	**52NL03**	**52NA03**	—	—
Start-Jog	**52NL28**	**52NA28**	—	—
Start-Stop	**52NL32**	**52NA32**	—	—
Stop	**52NL04**	**52NA04**	—	—
Stop (red)	**52NL04R**	**52NA04R**	—	—
Up	**52NL09**	**52NA09**	—	—
Up-Down	**52NL49**	**52NA49**	—	—
Up-Off-Down	**52NL42**	**52NA42**	—	—
Inscription plates with custom engraving				
"Custom engraved (brushed aluminum)"	**52NL02E**	**52NA02E**	—	—
"Custom engraved (red)"	**52NL02RE**	**52NA02RE**	**52ND02RE**	**52NE02RE**
"Custom engraved (Black)"	**52NL02BE**	**52NA02BE**	**52ND02BE**	**52NE02BE**
Max. number of rows	2	2	2	2
Letter height	5/32"	1/4"	5/32"	1/4"
Characters per row	14	16	14	16

① Automotive requires 2 1/2" mounting centers
② White letters on plastic nameplate.

30 mm Pilot Devices

Technical Specifications

Standards	UL Listed File # E22655	CSA Certified File # LR6535
Utilization	Category NEMA	A600/P600
Degree of Protection	52B, 52P-, 52S-, 52M- Operators	NEMA: 1, 3, 3R, 4, 4X, 12 and 13 IEC 529; IP10, IP11, IP14, IP52, IP54, IP56 and IP66

Rated Operational Current

NEMA A600 – 10 Continuous Amps

Voltage AC	Make Amps	Break Amps
120V	**60**	**6**
240V	**30**	**3**
480V	**15**	**1.5**
600V	**12**	**1.2**
Total VA	**7200**	**720**

NEMA P600 – Rating Codes for DC Control Circuit Application

Thermal Continuous Test Current Amps	5.0
Maximum Make or Break; Current / Amps	
125V	1.10
250V	0.55
301-600V	0.20
Maximum Make or Break Volt amperes at 300V or Less	138

Contact Blocks	52BAK, -BAJ①, -BAH, -BAU, -BJK① 52BAR	600VAC Maximum, Heavy Duty 200VAC .25 Amp, 10 Watt Maximum 200VDC .50 Amp, 10 Watt Maximum

① Ⓟ Positively driven contacts. Contact blocks are suitable for applications down to 5V/1MA low voltage applications as found in PLCs. *52BAR are Class 1; Division 2 Compliant*

Pilot Light	Full Voltage LED Module Transformer Type	52PL4/52PL5 or 52BL4/52BL5	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V) -N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600V AC Max., 50/60 Hz
Push-to-Test	Full Voltage LED Module Transformer Type	52PT6 or 52BT6	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V), -N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600VAC Max., 50/60 Hz
Illuminated Push-Pull	Full Voltage LED Module Transformer	52PP2(3,7) or 52BP2(3,7)	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V), - N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600VAC Max., 50/60 Hz
Twist-to-Release	Full Voltage LED Module Transformer	52BR8 or 52PR8	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V), - N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600VAC Max., 50/60 Hz
Illuminated Selector Switch	Full Voltage Transformer	52SA7(A,B,C) or 52SX7(A,B,C)	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 600V AC Max., 50/60 Hz
Dielectric Strength			2200V for one minute	

Mechanical Design Life Cycles

Vibration	Frequency 5 - 60Hz.; Disp. .030 inches, sweep 5 minutes for a duration of 30 minutes on each axis. Not to exceed 5.5 G's for maximum of 1 minute.	
Pushbuttons	Momentary, Non-illuminated Momentary, Illuminated	5,000,000 Operating Cycles 300,000 Operating Cycles
Push-Pull	Maintained Momentary	300,000 Operating Cycles 2,000,000 Operating Cycles
Twist-to-Release		300,000 Operating Cycles
Selector Switches	Non-illuminated Illuminated, Key-operated	2,000,000 Operating Cycles 2,000,000 Operating Cycles
Contact Operation	Standard Contact Black Logic Reed	
Wire Gauge	#18-12 AWG	
Terminal Screw Torque	2-10 lb-in / 20 lb-in max; 8 lb-in recommended	
Locknut Torque	15 ft. lbs. max	
Temperature Range	Operating Storage	31F to +158F (-35C to +70C) 40F to +185F (-40C to +85C)

All parts are designed and manufactured of corrosion resistant material or are plated or painted as corrosion protection. All contact block contacts are gold flashed as a standard offering. Internal return spring mechanisms of operators and contact blocks of stainless steel. RoHS Compliant.

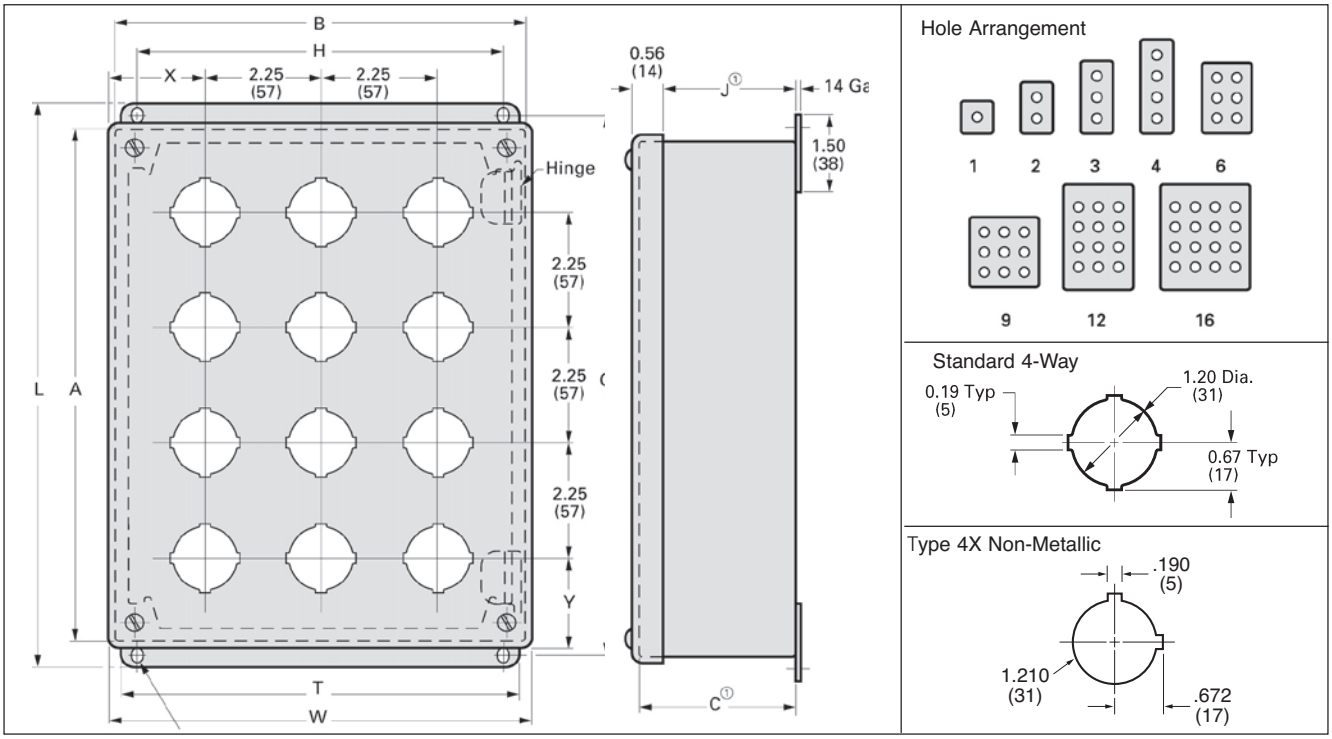
Declaration of Conformity — The products listed below, to which this declaration relates, are in conformity with the following standards, following the provisions of the Low Voltage Directive (LVD) (73/23/EEC), and the Electromagnetic Compatibility Directive (89/336/EEC.)

Products: Contact Blocks: Cat Nos. 52BAE, 52BAH, 52BAJ, 52BAK, 52BAR, 52BAU and 52BJK, with suffixes. Pilot Lights: Cat Nos 52P, with suffixes. Operators: Cat Nos 52S or 52P, with suffixes.

Applicable Standards: EN 60947-5-1 Low-Voltage Switchgear and controlgear. Enclosed devices meet the requirements of environmental ratings of IP10, IP11, IP14, IP52, IP54, and IP56. Open devices, when mounted as instructed, in environmental type IP10, IP11, IP14, IP52, IP54 or IP56 enclosures, maintain the environmental requirements for those enclosure types. Cat. No. 52BP, 52BR, 52PP, and 52PR, 2 Position, Twist-To-Release and 2 Position, Push Pull Maintained operators provided with red operating heads and 52BJK contact blocks meet the requirements of EN 60947-5-5 for Electrical Emergency Stop Device With Mechanical Latching Function (e-stop).

30mm Heavy Duty, Watertight/Oiltight, Class 52

Dimensional drawings



Type 12/13 and 4X Stainless Steel

	Enclosure Size			Mounting		Overall					
Units	A	B	C	G	H	L	W	J	T	X	Y
1	3.50 (89)	3.25 (83)	2.75 (70)	4.00 (102)	2.38 (60)	4.50 (114)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
2	5.75 (146)	3.25 (83)	2.75 (70)	6.25 (159)	2.38 (60)	6.75 (171)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
3	8.00 (203)	3.25 (83)	2.75 (70)	8.50 (216)	2.38 (60)	9.00 (229)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
4	10.25 (260)	3.25 (83)	2.75 (70)	10.75 (273)	2.38 (60)	11.25 (286)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
6	9.50 (241)	6.25 (159)	3.00 (76)	10.00 (254)	5.38 (137)	10.50 (267)	6.47 (164)	2.56 (65)	6.00 (152)	2.11 (54)	2.61 (66)
9	9.50 (241)	8.50 (216)	3.00 (76)	10.00 (254)	7.62 (194)	10.50 (267)	8.72 (221)	2.56 (65)	8.25 (210)	2.11 (54)	2.61 (66)
12	11.75 (298)	8.50 (216)	3.00 (76)	12.25 (311)	7.62 (194)	12.75 (324)	8.72 (221)	2.56 (65)	8.25 (210)	2.11 (54)	2.61 (66)
16[2])	11.75 (298)	10.75 (273)	3.00 (76)	12.25 (311)	9.88 (251)	12.75 (324)	10.97 (279)	2.56 (65)[2])	10.50 (267)	2.11 (54)	2.61 (66)

Type 12/13 Extra Deep Enclosures

	Enclosure Size			Mounting		Overall					
Units	A	B	C	G	H	L	W	J	T	X	Y
1	4.00	4.00	4.75	4.50	3.12	5.00	4.22	4.31	3.75	2.11	2.11
2	6.00	4.00	4.75	6.50	3.12	7.00	4.22	4.31	3.75	2.11	1.98
3	8.00	4.00	4.75	8.50	3.12	9.00	4.22	4.31	3.75	2.11	1.86
4	10.00	4.00	4.75	10.50	3.12	11.00	4.22	4.31	3.75	2.11	1.73
6	9.50	6.25	4.75	10.00	5.38	10.50	6.47	4.31	6.00	2.11	2.61
9	9.50	8.50	4.75	10.00	7.62	10.50	8.72	4.31	8.25	2.11	2.61
12	11.75	8.50	4.75	12.25	7.62	12.75	8.72	4.31	8.25	2.11	2.61
16[2])	11.75	10.75	4.75	12.25	9.88	12.75	10.97	4.31	10.50	2.11	2.61

Type 4X Non-Metallic

	Enclosure Size			Mounting		Overall	
Units	A	B	C	G	H	L	W
1	6.00	3.19	3.63	4.88	2.94	6.63	3.81
2	6.00	3.19	3.63	4.88	2.94	6.63	3.81
3	8.26	3.19	3.63	7.13	2.94	8.88	3.81
4	10.51	3.19	3.63	9.37	2.94	11.13	3.81

All dimensions shown in inches and (millimeters). For reference purposes only. Not to be used for design or construction purposes.

1) Grounding stud in body of enclosure.
2) For stainless steel add 1.75 (45) to depth.

Notes