LC1G500EHEA

Schneider Electric LC1G500EHEA - High power contactor, TeSys Giga, 3 pole (3NO), AC-3 <=440V 500A, advanced version, 48?130V wide band AC/DC coil

BRAND
Schneider Electric

PRODUCT FAMILY
TeSys Giga

SUPPLY BASIS
RFQ / on request - no stock claim

ORDER CODE / PRODUCT REFERENCE
LC1G500EHEA

CATEGORY
Contactor

RECORD IDENTITY
Catalog identity matched

PRODUCT DESCRIPTION

TeSys Giga high power contactor, 3 poles (3 NO) for category AC-3 applications up to 500A 315kW@440V. It provides a 48-130V AC/DC wide band low consumption electronic coil, PLC output control and embedded highly reliability 1NO+1NC auxiliary contact block (17V 1mA). Designed for demanding applications with maximum operating rates up to 600 cycles per hour and environments until 60°C. It procures high reliability and durability with 5 Mcycles mechanical durability. Local and Remote Contact Wear Diagnosis (CWD) as standard function, continuous monitoring with healthy and alarm indicators. It is possibility to replace switching module (main contacts), enhancement contactor life. Contactor can be fixed in all quadrants, maintenance without removing cables/busbars, and OLR could be directly mounted below contactor. To be used with power connection by bolted connection with cable memory kit and control connections by spring terminals, accessible from front for easy and quick replacement. It provides IP2x protection in Front face with shrouds conforming to IEC 60529 and VDE 0106. It can cover -25°C to 60°C operation ambient air temperature and directly mounted on plate, No derating up to 3000m altitude. The dimension is 290mm x 140mm x 209mm (H x W x D), compact size enables panel space savings. Multi standards certified(CE,CB,CCC,cULus,EAC,KC,RCM,Marine) and Green Premium compliant (RoHs/Reach). Unique QR code provides quick access to complete product data. Schneider Electric LC1G5

RECORDED SPECIFICATIONS

Range	TeSys
Range of product	TeSys Giga
Device short name	LC1G
Poles description	3P
Official lifecycle	Current official manufacturer lifecycle evidence
Overvoltage category	III
Utilisation category	AC-1 AC-3 AC-3e AC-4 AC-5a AC-5b AC-6a AC-6b AC-8b AC-8a DC-1 DC-3 DC-5
Contactor application	Power switching Motor control
Rated breaking capacity	4600 A at 440 V
Manufacturer part number	LC1G500EHEA

ADDITIONAL SPECIFICATIONS

Product or component type	Contactor
[Uc] control circuit voltage	48...130 V AC 50/60 Hz 48...130 V DC
Control circuit voltage limits	Operational: 0.8 Uc Min...1.1 Uc Max (at Drop-out: 0.1 Uc Max...0.45 Uc Min (at <60 °C)
[Ie] rated operational current	700 A (at 500 A (at <60 °C) at <= 440 V AC-3
[Ue] rated operational voltage	<= 460 V DC
[Uimp] rated impulse withstand voltage	8 kV
[Icw] rated short-time withstand current	4.0 kA - 10 s 2.8 kA - 30 s 2.2 kA - 1 min 1.5 kA - 3 min 1.2 kA - 10 min
[Ith] conventional free air thermal current	700 A (at 40 °C)

MANUFACTURER DOCUMENTATION

No manufacturer document is linked because exact-SKU or compatible-family evidence has not been recorded.

Document status: This is an InduMarket product specification summary, not a manufacturer-issued datasheet. It is generated from the catalog record for the exact part number. Any linked manufacturer document passed the SKU-compatibility evidence gate. Confirm ratings, compatibility, certifications and any successor reference before ordering.