

6ES7231-4HD32-0XB0

Siemens 6ES7231-4HD32-0XB0 - SIMATIC S7-1200 SM 1231 Analog Input Module

BRAND	Siemens	ORDER CODE / PRODUCT REFERENCE	6ES7231-4HD32-0XB0
PRODUCT FAMILY	SIMATIC S7-1200	CATEGORY	PLC / Automation Module
SUPPLY BASIS	RFQ / on request - no stock claim	RECORD IDENTITY	Catalog identity matched

PRODUCT DESCRIPTION

SIMATIC S7-1200, Analog input, SM 1231, 4 AI, +/-10 V, +/-5 V, +/-2.5 V, or 0-20 mA/4-20 mA, 12 bit+sign (13 bit ADC) Siemens 6ES7231-4HD32-0XB0 is the exact orderable reference for SIMATIC S7-1200 SM 1231 Analog Input Module and has been verified as an active product on Siemens Industry Mall. It belongs to SM 1231 analog input modules. Recorded manufacturer technical characteristics include Alarms: Yes; Analog inputs: 4; IP Protection: IP20; Integration time: Parametrizable; Loss power (typ.): 1.5 W; Rated voltage (DC): 24 V; Diagnostic function: Yes; Input current ranges: 0-20 mA, 4-20 mA. For an RFQ, use the complete part number so the required electrical rating, hardware revision and compatible accessories remain exact. The linked Siemens data sheet should be checked against the application, supply system, environmental conditions and applicable standards before final engineering selection.

RECORDED SPECIFICATIONS

Alarms	Yes
Product type	PLC / Automation Module
Analog inputs	4
IP Protection	IP20
Rated voltage	10 V
Integration time	Parametrizable
Loss power (typ.)	1.5 W
Official lifecycle	Current official manufacturer lifecycle evidence
Rated voltage (DC)	24 V
Diagnostic function	Yes

ADDITIONAL SPECIFICATIONS

Input current ranges	0-20 mA, 4-20 mA
Input voltage ranges	±10 V, ±5 V, ±2.5 V
Operating temperature	-20 °C to 60 °C (horizontal), -20 °C to 50 °C (vertical)
Resolution (incl. sign)	12 bit + sign
Manufacturer part number	6ES7231-4HD32-0XB0
Cycle time (all channels)	625 µs
Measuring value smoothing	Parametrizable
Noise voltage suppression	40 dB
Common mode voltage (max.)	12 V
Current consumption (typ.)	45 mA
Input resistance (current)	280 Ohm
Input resistance (voltage)	≥9 MOhm
Temperature error (25 °C)	±0.1 %
Basic error limit (current)	±0.1 %
Basic error limit (voltage)	±0.1 %

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.