

Input module CTSL-D-16E-M12-5

Part number: 1387359

FESTO



 General operating condition

Data sheet

Feature	Value
Protocol	I-Port IO-Link®
Dimensions W x L x H	143 mm x 103 mm x 32 mm
Type of mounting	With through-hole With DIN rail
Product weight	250 g
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC characters	KC-EMV
Certification	RCM compliance mark c UL us - Listed (OL)
Certificate issuing authority	UL E239998
Note on materials	RoHS compliant
Housing material	PA-reinforced
Cover material	PA-reinforced
LED display (product-specific)	1 PS electrical operating voltage 16 channel status 2 group diagnostics
LED display (bus-specific)	X20: I-Port / IO-Link®
Max. number of inputs	16
Baud rate	38.4 kbps, 230.4 kbps
Electrical connection	M12
DC operating voltage range	18 V ... 30 V
Nominal operating voltage DC	24 V
Logic current consumption at logic nominal operating voltage	≤35 mA
Reverse polarity protection	For operating voltage
Input characteristics	IEC1131-T2
Switching level	Signal 0: ≤ 5 V Signal 1: ≥ 11 V
Input switching logic	PNP (positive switching)
Input debounce time	0.5 ms (3 ms, 10 ms, 20 ms parameterizable)

Feature	Value
Max. residual current per module	1.2 A
Electrical isolation between channels	No
Fuse protection (short circuit)	Internal electronic fuse per group
IO-Link®, Connection technology	Device 5-pin
IO-Link®, number of ports	1
IO-Link®, port class	B
IO-Link®, protocol version	Device V 1.0
IO-Link®, communication mode	COM2 (38.4 kBd), COM3 (230.4 kBd)
IO-Link®, process data width IN	2 Byte
IO-Link®, minimum cycle time	Device 3.2 ms