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

Part number: 1387359



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	Alternatively: 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 instructions for EMC 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	5-pin 8x port M12
DC operating voltage range	18 V...30 V

Feature	Value
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)
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