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

Part number: 1387359

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 via 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 mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC mark	KC-EMV
Approval	RCM c UL us - Listed (Oil)
Certificate issuing authority	UL E239998
Note on materials	RoHS compliant
Material housing	Reinforced PA
Material cover	Reinforced PA
LED display, product-specific	1 hp 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
Operational voltage range DC	18 V ... 30 V
Nominal operating voltage DC	24 V
Current consumption at nominal operating voltage, logic	≤35 mA
Reverse polarity protection	For operating voltage
Characteristic for inputs	IEC 1131-T2
Switching level	Signal 0: <= 5 V Signal 1: ≥ 11 V
Switching logic for inputs	PNP (positive switching)
Input debounce time	0.5 ms (3 ms, 10 ms, 20 ms, parameterisable)

Feature	Value
Max. total current per module	1.2 A
Isolation channel - channel	No
Fuse protection (short circuit)	Internal electronic fuse protection for each 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 kBaud), COM3 (230.4 kBaud)
IO-Link, Process data length IN	2 bytes
IO-Link, Min. cycle time	Device 3.2 ms