chanhvinh.com

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

Part number: 1387359

FESTO



Data sheet

Feature	Value
Protocol	I-Port IO-Link®
Dimensions (W x L x H)	143 x 103 x 32 mm
Type of mounting	Either: With through-hole With H-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
CE marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Approval	RCM trademark c UL us listed (OL)
Certificate issuing authority	UL E239998
Note on materials	RoHS-compliant
Material housing	PA-reinforced
Material cover	PA-reinforced
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 kbit/s, 230.4 kbit/s
Electrical connection	5-pin 8x socket 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	IEC1131-T2

chanhvinh.com

Feature	Value
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)
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