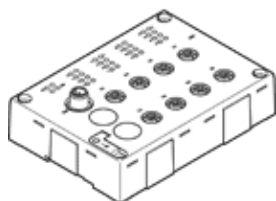


Input module

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 mm x 103 mm x 32 mm
Mounting type	with through hole with top-hat rail Optional
Product weight	250 g
Ambient temperature	-5 ... 50 °C
Storage temperature	-20 ... 70 °C
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Authorization	RCM Mark c UL us - Listed (OL)
Certificate issuing department	UL E239998
Materials note	Conforms to RoHS
Material housing	PA-reinforced
Material cover	PA-reinforced
Product-specific LED display	1 PS electric operating voltage 16 channel status 2 group diagnostics
Bus-specific LED display	X20: I-Port / IO-Link
Maximum number of inputs	16
Baud rate	38,4 kbit/s, 230,4 kbit/s
Electrical connection	5-pin 8x socket M12
Operating voltage range DC	18 ... 30 V
Nominal operating voltage DC	24 V
Current consumption at nominal operating voltage, logic	≤ 35 mA
Polarity protected	for operating voltage
Input characteristics	IEC1131-T2
Switching level	Signal 0: ≤ 5 V Signal 1: ≥ 11 V
Input circuit logic	PNP (positive-switching)
Input debounce time	3 ms (0.5 ms, 10 ms, 20 ms, parameterisable)
Max. resultant current per module	1.2 A
Electrical isolation channel – channel	No
Protection (short circuit)	Internal electronic fuse protection for each group
IO-Link, connection technology	Device, 5-pin

Feature	Value
IO-Link, number of ports	1
IO-Link, port type	B
IO-Link, protocol	Device V 1.0
IO-Link, communication mode	COM2 (38,4 kBaud), COM3 (230,4 kBaud)
IO-Link, process data width IN	2 Byte
IO-Link, minimum cycle time	Device 3,2 ms