

IO-Link Master CPX-AP-I-4IOL-M12

Part number: 8086604

★ Core product range

FESTO



Data sheet

Feature	Value
Protocol	IO-Link
Dimensions W x L x H	30 mm x 170 mm x 35 mm
Mounting type	On H-rail with accessories with through hole
Product weight	126 g
Ambient temperature	-20 ... 50 °C
Storage temperature	-40 ... 70 °C
Relative air humidity	5 - 95 % non-condensing
Protection class	IP65 IP67
Note on degree of protection	Unused connections sealed
Corrosion resistance classification CRC	1 - Low corrosion stress
Max. line length	20 m with IO-Link operation 50 m system communication
PWIS conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	to EU directive for EMC
UKCA marking (see declaration of conformity)	To UK instructions for EMC
KC mark	KC-EMV
Authorisation	RCM Mark c UL us - Listed (OL)
Certificate issuing department	UL E239998
Materials note	Conforms to RoHS
Material housing	PA PC Nickel-plated die-cast zinc
Material o-ring	FPM
Diagnostics via LED	Diagnostics per channel Diagnostics per module Power supply load Status per channel Status per module
Diagnostics per internal communication	IO-Link® event Short circuit/overload in sensor supply Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded to EN 61076-2-114
Communication interface, number of pins/wires	4
Communication interface, protocol	AP
Communication interface, screening	Yes
Power supply, function	Incoming electronics/sensors and load
Power supply, type of connection	Plug

Feature	Value
Power supply, connection technology	M8x1, A-coded to EN 61076-2-104
Power supply, number of pins/wires	4
Power transmission, function	Outgoing electronics/sensors and load
Power transmission, connection type	Plug socket
Power transmission, connection technology	M8x1, A-coded to EN 61076-2-104
Power transmission, number of pins/wires	4
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Nominal operating voltage, DC outputs	24 V
Permissible voltage fluctuations, load	± 25 %
Nominal operating voltage DC for electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Max. power supply	2 x 4 A (external fuse required)
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 55 mA
Intrinsic current consumption at nominal operating voltage load	Typical 5 mA
Power failure buffering	10 ms
Polarity protected	Yes
Electrical connection for IO-Link®, connection type	4x socket
Electrical connection for IO-Link®, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection for IO-Link®, number of pins/wires	5
IO-Link, communication	C/Q green LED
IO-Link, number of ports	4
IO-Link, port type	B
IO-Link, protocol	Master V 1.1
IO-Link, communication mode	Configurable via software SIO, COM1 (4.8 kBaud), COM2 (38.4 kBaud), COM3 (230.4 kBaud)
IO-Link, process data width OUT	Can be parameterised 8 - 128 bytes
IO-Link, process data width IN	Can be parameterised 12 - 132 bytes
IO-Link, minimum cycle time	Dependent on minimum supported cycle time of the connected IO-Link® device