

# IO-Link master module CPX-E-4IOL

Part number: 4080495

**FESTO**



## Data sheet

Feature	Value
Dimensions W x L x H	18.9 mm x 76.6 mm x 124.3 mm
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Power supply, type of connection	Terminal strip
Permissible voltage fluctuations load	± 25 %
Note on ambient temperature	-5 - 50 °C for horizontal installation
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 50 mA
Intrinsic current consumption at nominal operating voltage load	Typically 15 mA
Diagnostics via bus	Device missing/failed Wire break Module error Short circuit Parameter error Underflow/overflow Undervoltage General error
Power supply, connection pattern	00995847
Power supply, information on conductor diameter	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without cable end sleeves
Permissible voltage fluctuations for electronics/sensors	± 25 %
Power supply, connection technology	Spring-loaded terminal
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Module parameters	Actuator supply short circuit diagnostics Response to short circuit/overload Deactivate sensor supply
Diagnostics via LED	Faults per module Status per channel
Channel parameters	Forcing channel x Deactivate actuator supply Device fault code Channel mode Channel status Cycle time
Electrical connection, IO-Link®, connection technology	Spring-loaded terminal
Electric IO-Link® connection, connection pattern	00995843
IO-Link®, communication	C/Q LED green
Electrical IO-Link® connection, connection type	4x terminal strip
IO-Link® electrical connection, information on conductor cross section	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without cable end sleeves
KC characters	KC EMC
Nominal operating voltage DC for electronics/sensors	24 V

Feature	Value
Power supply, number of pins/wires	4
Nominal operating voltage DC load	24 V
Electrical IO-Link® connection, number of pins/wires	6
Power supply, conductor diameter	0.2 mm² ... 1.5 mm²
IO-Link® electrical connection, conductor cross section	0.2 mm² ... 1.5 mm²
Width dimension	18.9 mm
Type code	CPX-E
Fuse protection (short circuit)	Internal electronic fuse, load per channel Internal electronic fuse, sensor per module
Electrical isolation between channel and internal bus	no
Electrical isolation between channels	no
Certificate issuing authority	UL E239998
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	0 - No corrosion stress
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Protection against direct and indirect contact	PELV
Degree of protection	IP20
Ambient temperature	-5 °C ... 50 °C
Certification	RCM compliance mark c UL us - Listed (OL)
Product weight	96 g
Protocol	IO-Link®
IO-Link®, protocol version	Master V 1.1
IO-Link®, communication mode	Configurable via software SIO, COM1 (4.8 kBd), COM2 (38.4 kBd), COM3 (230.4 kBd)
IO-Link®, port class	B
IO-Link®, number of ports	4
IO-Link®, process data width OUT	8–32 bytes parameterizable
IO-Link®, process data width IN	8–32 bytes parameterizable
IO-Link®, minimum cycle time	Depends on minimally supported cycle time of connected IO-Link® device
Type of mounting	With H-rail
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	PA