

EtherCAT interface CPX-AP-I-EC-M12

Part number: 8086609

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	45 mm x 170 mm x 35 mm
KC characters	KC EMC
Fieldbus interface, connection technology	M12x1, D-coded as per EN 61076-2-101
Diagnose per internal communication	Module error Output short circuit/overload Short circuit/overload in sensor supply Load supply undervoltage
Max. power supply	2 x 4 A (external fuse required)
Note on degree of protection	Unused connections sealed
Communication interface, connection technology	M8x1, D-coded as per EN 61076-2-114
Fieldbus interface, connection type	2x socket
Permissible voltage fluctuations for electronics/sensors	± 25 %
Fieldbus interface, type	Ethernet
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Power supply, function	Incoming electronics/sensors and load
Fieldbus interface, function	Bus connection, incoming/forwarding
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Intrinsic current consumption at nominal operating voltage load	Typically 5 mA
Information on max. cable length	Power supply according to nominal voltage
Diagnostics via bus	Load switch-off Load overvoltage Load undervoltage Electronics/sensors overvoltage Electronics/sensors undervoltage APDD invalid Communication with AP module interrupted
Relative air humidity	5 - 95 % Non-condensing
Fieldbus interface, galvanic isolation	yes
Communication interface, connection type	2x socket
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 90 mA
Power supply, type of connection	Plug
Voltage forwarding, connection type	Socket
Communication interface, function	System communication XF20 OUT / XF21 OUT
Fieldbus interface, protocol	EtherCAT
Configuration support	ESI file
Max. cable length	50 m system communication
Communication interface, protocol	AP-COM

Feature	Value
Fieldbus interface, transmission rate	100 Mbit/s
Diagnostics via LED	Diagnostics per module EtherCAT RUN Power supply for electronics/sensors Load power supply System diagnostics Maintenance required
Permissible voltage fluctuations load	± 25 %
Communication interface, shielding	yes
Voltage forwarding, function	Outgoing electronics/sensors and load
Fieldbus interface, number of poles/wires	4
Max. address capacity outputs	2048 byte
Voltage forwarding, number of pins/wires	4
Nominal operating voltage DC for electronics/sensors	24 V
Power supply, number of pins/wires	4
Max. address capacity inputs	2048 byte
Communication interface, number of pins/wires	4
Nominal operating voltage DC load	24 V
Power failure buffering	10 ms
Max. number of modules	80
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Type code	CPX-AP-I
Reverse polarity protection	yes
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-40 °C ... 70 °C
Degree of protection	IP65 IP67
Ambient temperature	-20 °C ... 50 °C
Certification	RCM compliance mark
Product weight	186 g
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Housing material	PA PC Die-cast zinc, nickel-plated