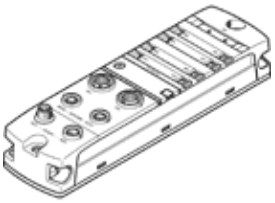
EtherCAT interface
CPX-AP-I-EC-M12

Part number: 8086609
★ Core product range



Data sheet

Feature	Value
Dimensions W x L x H	45 mm x 170 mm x 35 mm
Mounting type	On H-rail with accessories with through hole
Max. no. of modules	80
Product weight	186 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	50 m system communication
Note on max. cable length	Power supply according to nominal voltage
PWIS conformity	VDMA24364-B2-L
CE symbol (see declaration of conformity)	according to EU-EMV guideline
UKCA marking (see declaration of conformity)	To UK instructions for EMC
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 PC Nickel-plated die-cast zinc
Material o-ring	FPM
Diagnostics via LED	Diagnostics per module EtherCAT RUN Power supply electronics/sensors Power supply load System diagnostics Maintenance required
Diagnostics via bus	Load switch-off Load overvoltage Load undervoltage Electronics/sensors overvoltage Electronics/sensors undervoltage APDD invalid Communication to AP module interrupted
Diagnostics per internal communication	Module error Short circuit/overload at output Short circuit/overload in sensor supply Undervoltage in load supply
Fieldbus interface	Ethernet
Fieldbus interface, protocol	EtherCAT

Feature	Value
Fieldbus interface, type of connection	2x socket
Fieldbus interface, connection technology	M12x1, D-coded in accordance with EN 61076-2-101
Fieldbus interface, number of pins/wires	4
Fieldbus interface, electrical isolation	Yes
Fieldbus interface, transmission rate	100 Mbit/s
Maximum address volume for inputs	2,048 Byte
Maximum address volume for outputs	2,048 Byte
Configuration support	ESI file
Communication interface, function	System communication: XF20 OUT / XF21 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded in accordance with 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
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 90 mA
Intrinsic current consumption at nominal operating voltage load	Typical 5 mA
Power failure buffering	10 ms
Polarity protected	Yes