

# CC-Link IE Field Basic interface CPX-AP-I-CCB-M12

FESTO

Part number: 8232030



 General operating condition

## Data sheet

Feature	Value
Dimensions (W x L x H)	45 mm x 170 mm x 35 mm
Type of mounting	On DIN rail via accessories With through-hole
Max. number of modules	80
Product weight	186 g
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-40 °C ... 70 °C
Relative air humidity	5 - 95% Non-condensing
Degree of protection	IP65 IP67
Note on degree of protection	Unused connections sealed
Corrosion resistance class CRC	1 - Low corrosion stress
Max. cable length	50 m system communication
Note on max. cable length	Power supply according to nominal voltage
LABS (PWIS) conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	To EU EMC Directive 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
Approval	RCM c UL us - Listed (Oil)
Certificate issuing authority	UL E239998
Note on materials	RoHS compliant
Material housing	Process automation Makrolon® Nickel-plated die-cast zinc
Material o-ring	Fluoro rubber
Diagnostics via LED	CC-Link IE Field Basic RUN Diagnostics per module Power supply, electronics/sensors Load power supply System diagnostics Maintenance required

Feature	Value
Diagnostics via bus	APDD invalid Switch-off load supply Communication with AP module interrupted Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Diagnostics per internal communication	Module error Output short circuit/overload Short circuit/overload in sensor supply Load supply undervoltage
Fieldbus interface	Ethernet
Field bus, protocol	EtherCAT®
Fieldbus interface, function	Bus connection incoming/outgoing
Field bus, connection type	2x socket
Field bus, connection system	M12x1, D-coded to EN 61076-2-101
Field bus, connection pattern	4
Field bus interface, electrical isolation	Yes
Field bus interface, transmission rate	100 Mbit/s
Max. address volume, inputs	1024 Byte
Max. address volume, outputs	1024 Byte
Configuration support	CSPP file
Communication interface, function	System communication XF20 OUT / XF21 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded according to EN 61076-2-114
Communication interface, number of pins/cores	4
Communication interface, protocol	AP
Communication interface, screened	Yes
Power supply, function	Incoming electronics/sensors and load
Power supply, connection type	Plug
power supply, connection system	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	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 the voltage drop
Nominal operating voltage DC of load	24 V
Permissible voltage fluctuation of load	±25%
Nominal DC operating voltage, 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	Typically 5 mA
Power failure bridging	10 ms
Reverse polarity protection	Yes