CC-Link IE Field Basic RUN
CPX-AP-I-CCB-M12

Part number: 8232030

Data sheet

Feature	Value
Dimensions W x L x H	45 mm x 170 mm x 35 mm
Type of mounting	On H-rail with 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
Information on max. cable length	Power supply according to nominal voltage
LABS (PWIS) conformity	VDMA24364-B2-L
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC characters	KC EMC
Certification	RCM compliance mark c UL us - Listed (OL)
Certificate issuing authority	UL E239998
Note on materials	RoHS-compliant
Housing material	PA PC Die-cast zinc, nickel-plated
O-ring material	FPM
Diagnostics via LED	CC-Link IE Field Basic RUN Diagnostics per module Power supply for electronics/sensors Load power supply System diagnostics Maintenance required

Feature	Value
Diagnostics via bus	APDD invalid Load switch-off Communication with AP module interrupted Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Diagnose per internal communication	Module error Output short circuit/overload Short circuit/overload in sensor supply Load supply undervoltage
Fieldbus interface, type	Ethernet
Fieldbus interface, protocol	EtherCAT
Fieldbus interface, connection type	2x socket
Fieldbus interface, connection technology	M12x1, D-coded as per EN 61076-2-101
Fieldbus interface, number of poles/wires	4
Fieldbus interface, galvanic isolation	yes
Fieldbus interface, transmission rate	100 Mbit/s
Max. address capacity inputs	1024 byte
Max. address capacity 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 as per EN 61076-2-114
Communication interface, number of pins/wires	4
Communication interface, protocol	AP
Communication interface, shielding	yes
Power supply, function	Incoming electronics/sensors and load
Power supply, type of connection	Plug
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Power supply, number of pins/wires	4
Voltage forwarding, function	Outgoing electronics/sensors and load
Voltage forwarding, connection type	Socket
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Voltage forwarding, number of pins/wires	4
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Nominal operating voltage DC load	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	Typically 5 mA
Power failure buffering	10 ms
Reverse polarity protection	yes