Bus module
CPX-E-PN

Part number: 4080497



Data sheet

General operating condition

Feature	Value
Dimensions W x L x H	42.2 mm x 76.5 mm x 125.8 mm
Width dimension	18.9 mm
Type of mounting	With H-rail
Max. number of modules	10
Product weight	145 g
Mounting position	Vertical Horizontal
Ambient temperature	-5 °C ... 50 °C
Note on ambient temperature	-5 - 60 °C for vertical installation
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	IP20
Corrosion resistance class (CRC)	0 - No corrosion stress
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Protection against direct and indirect contact	PELV
LABS (PWIS) conformity	VDMA24364 zone III
CE marking (see declaration of conformity)	As per EU EMC 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
Diagnostics via LED	Force mode Network error Network status, port 1 Network status, port 2 Power supply for electronics/sensors Load power supply System fault Maintenance required

Feature	Value
Diagnostics via bus	Wire break Short circuit PROFIsafe addresses different Parameterization error Upper limit value violated Over temperature Lower limit value not complied with Undervoltage
Fieldbus interface, type	Ethernet
Fieldbus interface, protocol	PROFINET IRT PROFINET RT
Fieldbus interface, function	Bus connection, incoming/forwarding
Fieldbus interface, connection type	2x socket
Fieldbus interface, connection technology	RJ45
Fieldbus interface, connection pattern	00995789
Fieldbus interface, number of poles/wires	8
Fieldbus interface, galvanic isolation	yes
Fieldbus interface, transmission rate	100 Mbit/s
Max. address capacity inputs	64 byte
Fieldbus interface, max. address volume for inputs	64 byte
Information on inputs	62 bytes with I/O diagnostic interface 62 bytes with status bits 64 bytes without diagnostics
Max. address capacity outputs	64 byte
Fieldbus interface, max. address volume for outputs	64 byte
Note on outputs	62 bytes with I/O diagnostic interface 64 bytes with status bits 64 bytes without diagnostics
System parameter	Diagnostic memory Fail-safe response Force mode System start
Module parameters	Channel alarm bundling Undervoltage diagnostics Channel alarms for undervoltage Analog module process value representation
Configuration support	GSDML file
Additional functions	LLDP MRP MRPD PROFINET FSU PROFINET I&MO..3, 1..3 retentive memory possible PROFINET Shared device S2 system redundancy SNMP
Power supply, function	Electronics and sensors
Power supply, type of connection	Terminal strip
Power supply, note on connection type	› 4 A and UL 2x terminal strip for power supply
Power supply, connection technology	Spring-loaded terminal
Power supply, connection pattern	00995847
Power supply, number of pins/wires	4
Nominal operating voltage DC for electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Power supply, conductor diameter	0.2 mm² ... 1.5 mm²
Power supply, information on conductor diameter	0.2 - 2.5 mm² for flexible conductors without cable end sleeves
Max. power supply	8 A
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 75 mA
Power failure buffering	20 ms
Reverse polarity protection	24 V sensor supply against 0 V sensor supply