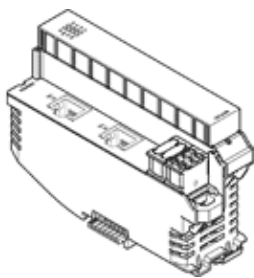


bus module CPX-E-PN

Part number: 4080497

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	42,2 mm x 125,8 mm x 76,5 mm
Grid dimension	18.9 mm
Mounting type	with top-hat rail
Max. no. of modules	10
Product weight	145 g
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP20
Corrosion resistance classification 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 in accordance with FN 942017-5 and EN 60068-2-27
Protection against direct and indirect contact	Protective extra-low voltage with safe disconnection (PELV)
PWIS conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	to EU directive for EMC
KC mark	KC-EMV
Authorisation	RCM Mark c UL us - Listed (OL)
Certificate issuing department	UL E239998
Materials note	Conforms to RoHS
Material housing	PA
Diagnostics via LED	Network errors Force mode Network status port 1 Network status port 2 Power supply electronics/sensors Power supply load System error Maintenance required
Diagnostics via bus	Wire break Short circuit PROFIsafe addresses different parameterisation error Upper limit value not observed Overtemperature Lower limit value not observed Undervoltage
Fieldbus interface	Ethernet
Fieldbus interface, protocol	PROFINET IRT PROFINET RT
Fieldbus interface, type of connection	2x socket
Fieldbus interface, connection technology	RJ45

Feature	Value
Fieldbus interface, number of pins/wires	8
Fieldbus interface, electrical isolation	Yes
Fieldbus interface, transmission rate	100 Mbit/s
Maximum address volume for inputs	64 Byte
Fieldbus interface, max. address volume for inputs	64 Byte
Note on inlets	62 bytes with I/O diagnostic interface 62 bytes with status bits 64 bytes without diagnostics
Maximum address volume for 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 parameters	Diagnostic memory Fail-safe reaction Force mode System start
Module parameters	Channel alarms bundling Undervoltage diagnostics Channel alarms undervoltage Process value representation of analogue modules
Configuration support	GSDML file
Additional functions	LLDP MRP MRPD PROFINET I&MO..3, 1..3 retentive memory possible PROFINET FSU PROFINET Shared device S2 system redundancy SNMP
Power supply, function	Electronics and sensors
Power supply, type of connection	Terminal strip
Power supply, connection technology	Cage clamp terminal
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 ... 1.5 mm ²
Power supply, note on conductor diameter	0.2 - 2.5 mm ² for flexible conductors without wire 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