

Bus module CPX-E-PB

Part number: 4080496

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	42.2 mm x 125.8 mm x 76.5 mm
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Power supply, type of connection	Terminal strip
Fieldbus interface, connection type	Socket
Note on fieldbus interface	Optional connection technology with accessories: Plug/socket M12x1 B-coded, 5-pin, degree of protection: IP65
Note on ambient temperature	-5 - 60 °C for vertical installation
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 75 mA
Service interface, connection technology	USB 2.0 type B, mini
Diagnostics via bus	Wire break Short circuit Parameterization error Buffer overflow Upper limit value violated Transmission error Lower limit value not complied with Undervoltage Watchdog/I/O status Requested function not supported Not ready for data exchange
Fieldbus interface, connection pattern	00995638
Fieldbus interface, function	Bus connection, incoming/forwarding
Power supply, connection pattern	00995847
Power supply, function	Electronics and sensors
Service interface, connection pattern	00995868
Power supply, information on conductor diameter	0.2 - 2.5 mm ² for flexible conductors without cable end sleeves
Permissible voltage fluctuations for electronics/sensors	± 25 %
Service interface, connection type	Socket
System parameter	Diagnostic memory Fail-safe response Force mode System start
Fieldbus interface, connection technology	Sub-D
Fieldbus interface, protocol	PROFIBUS DP
Power supply, connection technology	Spring-loaded terminal
Service interface, function	Diagnostics and parameterization
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27

Feature	Value
Module parameters	Undervoltage diagnostics Analog module process value representation
Diagnostics via LED	Bus error Force mode Power supply for electronics/sensors Load power supply System fault
KC characters	KC EMC
Nominal operating voltage DC for electronics/sensors	24 V
Service interface, number of poles/wires	5
Power supply, number of pins/wires	4
Fieldbus interface, number of poles/wires	9
Fieldbus interface, max. address volume for outputs	64 byte
Fieldbus interface, max. address volume for inputs	64 byte
Max. number of modules	10
Power supply, conductor diameter	0.2 mm ² ... 1.5 mm ²
Width dimension	18.9 mm
Type code	CPX-E
Configuration support	GSD file
Control elements	DIL switch
Max. power supply	8 A
Power failure buffering	20 ms
Certificate issuing authority	UL E239998
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	0 - No corrosion stress
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Protection against direct and indirect contact	PELV
Degree of protection	IP20
Ambient temperature	-5 °C ... 50 °C
Certification	RCM compliance mark c UL us - Listed (OL)
Product weight	145 g
Max. address capacity outputs	64 byte
Note on outputs	62 bytes with I/O diagnostic interface 64 bytes with status bits 64 bytes without diagnostics
Max. address capacity inputs	64 byte
Information on inputs	62 bytes with I/O diagnostic interface 63 bytes with status bits 64 bytes without diagnostics
Fieldbus interface, galvanic isolation	yes
Fieldbus interface, transmission rate	9.6 kbit/s 19.2 kbit/s 93.75 kbit/s 187.5 kbit/s 500 kbit/s 1.5 Mbit/s 3 Mbit/s 6 Mbit/s 12 Mbit/s
Fieldbus interface, type	PROFIBUS
Type of mounting	With H-rail
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	PA