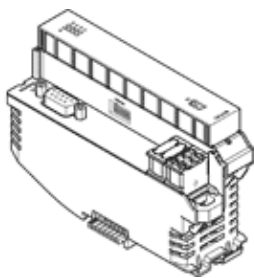


# bus module CPX-E-PB

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
Grid dimension	18.9 mm
Mounting type	with top-hat rail
Max. no. of modules	10
Product weight	145 g
Assembly position	Vertical Horizontal
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	Safety extra-low voltage with safe disconnection (PELV)
PWIS conformity	VDMA24364 zone III
CE symbol (see declaration of conformity)	according to EU-EMV guideline 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
Authorization	RCM Mark c UL us - Listed (OL)
Certificate issuing department	UL E239998
Materials note	Conforms to RoHS
Material housing	PA
Material screws	Galvanized steel
Diagnostics via LED	Bus error Force mode Power supply electronics/sensors Power supply load System error
Diagnostics via bus	Wire break Short circuit parameterisation error Overflow buffer Upper limit value not observed Transmission error Lower limit value not observed Undervoltage Watchdog/I/O status Requested function not supported

<b>Feature</b>	<b>Value</b>
	Not ready for data exchange
Control elements	DIL switches
Fieldbus interface	PROFIBUS
Fieldbus interface, protocol	PROFIBUS DP
Fieldbus interface, type of connection	Plug socket
Fieldbus interface, connection technology	Sub-D
Fieldbus interface, number of pins/wires	9
Fieldbus interface, electrical isolation	Yes
Fieldbus interface, transmission rate	9,6 kbit/s 12 Mbit/s 19,2 kbit/s 93,75 kbit/s 187,5 kbit/s 3 Mbit/s 1,5 Mbit/s 500 kbit/s 6 Mbit/s
Service interface, function	Diagnostics and parameterisation
Service interface, connection type	Plug socket
Service interface, connection technology	USB 2.0 type B mini
Service interface, number of pins/wires	5
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 63 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	Undervoltage diagnostics Process value representation of analogue modules
Configuration support	Device database file
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 <sup>2</sup>
Power supply, note on conductor diameter	0.2 - 2.5 mm <sup>2</sup> 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
Polarity protected	24 V sensor supply against 0 V sensor supply