bus module
CPX-E-PB
Part number: 4080496
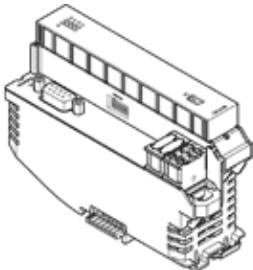
Data sheet

Feature	Value
Dimensions W x L x H	42,2 mm x 125,8 mm x 76,5 mm
Grid dimension	18.9 mm
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
	Not ready for data exchange
Configuration support	Device database file
Max. no. of modules	10
System parameters	Diagnostic memory
	Fail-safe reaction
	Force mode
	System start
Module parameters	Undervoltage diagnostics
	Process value representation of analogue modules
Control elements	DIL switches
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 75 mA
Max. power supply	8 A
Nominal operating voltage DC for electronics/sensors	24 V
Power failure buffering	20 ms
Permissible voltage fluctuations for electronics/sensors	± 25 %
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
Power supply, conductor diameter	0.2 ... 1.5 mm2
Power supply, note on conductor diameter	0.2 - 2.5 mm² for flexible conductors without wire end sleeves
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC
Vibration resistance	Transport application test at severity level 1 in accordance with 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
Corrosion resistance classification CRC	0 - No corrosion stress

Feature	Value
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection against direct and indirect contact	Protective extra-low voltage with safe disconnection (PELV)
Protection class	IP20
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Product weight	145 g
Maximum 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
Maximum 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
Fieldbus interface, electrical 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	PROFIBUS
Fieldbus interface, type of connection	Plug socket
Fieldbus interface, connection technology	Sub-D
Fieldbus interface, number of pins/wires	9
Fieldbus interface, protocol	PROFIBUS DP
Fieldbus interface, max. address volume for inputs	64 Byte
Fieldbus interface, max. address volume for outputs	64 Byte
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
Note regarding fieldbus interface	Optional connection technology with accessories: Plug connector/socket M12x1 B-coded, 5-pin, degree of protection IP65
Mounting type	with top-hat rail
Materials note	Contains PWIS substances Conforms to RoHS
Material housing	PA