

# PROFINET Interface CPX-AP-I-PN-M12

Part number: 8086607

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	45 mm x 170 mm x 35 mm 45 mm x 170 mm x 35 mm
Diagnostics via LED	Diagnostics per module Diagnostics per module Network error Network error Power supply for electronics/sensors Power supply for electronics/sensors Load power supply System diagnostics System diagnostics Maintenance required Maintenance required
Diagnostics via bus	APDD invalid Load switch-off Communication with AP module interrupted Electronics/sensors overvoltage Load overvoltage Load switch-off Electronics/sensors undervoltage Load undervoltage Electronics/sensors overvoltage Electronics/sensors undervoltage APDD invalid Communication with AP module interrupted
Diagnose per internal communication	Module error Output short circuit/overload Output short circuit/overload Short circuit/overload in sensor supply Short circuit/overload in sensor supply Load supply undervoltage Load supply undervoltage
Configuration support	GSDML file
Reverse polarity protection	yes
Max. number of modules	80
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 80 mA
Intrinsic current consumption at nominal operating voltage load	Typically 5 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Max. power supply	2 x 4 A (external fuse required)
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage DC load	24 V
Power failure buffering	10 ms

Feature	Value
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations load	± 25 %
Power supply, function	Incoming electronics/sensors and load
Power supply, type of connection	Plug
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Power supply, number of pins/wires	4
Voltage forwarding, function	Outgoing electronics/sensors and load
Voltage forwarding, connection type	Socket
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Voltage forwarding, number of pins/wires	4
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-40 °C ... 70 °C
Relative air humidity	5 - 95 % Non-condensing
Degree of protection	IP65 IP67
Note on degree of protection	Unused connections sealed
Ambient temperature	-20 °C ... 50 °C
Product weight	186 g
Max. address capacity outputs	1024 byte
Max. address capacity inputs	1024 byte
Fieldbus interface, galvanic isolation	yes
Fieldbus interface, transmission rate	100 Mbit/s
Fieldbus interface, type	Ethernet
Max. cable length	50 m system communication
Information on max. cable length	Power supply according to nominal voltage
Fieldbus interface, function	Bus connection, incoming/forwarding
Fieldbus interface, connection type	2x socket
Fieldbus interface, connection technology	M12x1, D-coded as per EN 61076-2-101
Fieldbus interface, number of poles/wires	4
Fieldbus interface, protocol	PROFINET IRT PROFINET RT
Communication interface, function	System communication XF20 OUT / XF21 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded as per EN 61076-2-114
Communication interface, number of pins/wires	4
Communication interface, protocol	AP-COM
Communication interface, shielding	yes
Type of mounting	On H-rail with accessories With through-hole
Note on materials	RoHS-compliant
Housing material	PA PC Die-cast zinc, nickel-plated
O-ring material	FPM