

# Automation system CPX-AP-A

Part number: 8079933

FESTO



## Data sheet

Feature	Value
Electrical control	Ethernet
Grid dimension	50.1 mm
Type of mounting	Direct mounting via through-hole On H-rail via accessories On mounting frame Screw-clamped With through-hole for M5 screw with accessories With through-hole for M6 screw with accessories Via through-hole for M5 screw Via through-hole for M6 screw
Product weight	450 g...5200 g
Mounting position	Any, on H-rail: horizontal
Ambient temperature	-20 °C...50 °C
Note on ambient temperature	Observe ambient temperature derating according to IEC 61131-2:2017
Storage temperature	-20 °C...70 °C
Relative air humidity	5 - 95% Non-condensing
Max. installation height	3500 m
Note on max. installation height	> 2000 m ASL (< 79.5 kPa) Observe ambient temperature derating according to IEC 61131-2:2017
Degree of protection	IP65 IP67
Corrosion resistance class CRC	1 - Low corrosion stress
Note on vibration resistance	SG1 on H-rail SG2 on direct mounting Transport application test with severity class 1 to FN 942017-4 and EN 60068-2-6
Overvoltage category	II
LABS (PWIS) conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
Approval	RCM trademark c UL us listed (OL)
Note on materials	RoHS-compliant Free of halogen Free of phosphoric acid ester

Feature	Value
Diagnostics via LED	(Outputs) Diagnostics per channel Power supply load (outputs) (Inputs-Outputs) Diagnostics per module (Inputs-Outputs) Status per channel Diagnostics per channel Diagnostics per module EtherCAT® RUN Ethernet/IP communication PROFINET communication Power supply, electronics/sensors Load power supply Status per channel Status per module System diagnostics Service required
Diagnostics per internal communication	Load switch-off IO-Link® event Communication fault Short-circuit/overload in output signal Short circuit/overload in sensor supply Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Field bus, protocol	ACD (Address Conflict Detection) DLR (Device Level Ring) EtherCAT® EtherCAT CoE EtherCAT Distributed Clocks (DC) EtherCAT EoE EtherCAT FoE EtherCAT Modular Device Profile (MDP) EtherNet/IP EtherNet/IP QoS EtherNet/IP Quickconnect LLDP MRP, MRPD (ring redundancy)
Field bus, connection type	2x socket
Field bus, connection system	M12x1, D-coded to EN 61076-2-101 RJ45 to IEC 61076-3-117 (V14)
Field bus, connection pattern	4 ...8
Note on inputs	EP: 488 bytes Modbus: 4096 bytes
Module parameters	Configuration of voltage monitoring load supply PL Behaviour after short circuit/overload at the output
Channel parameters	Activation diagnostics for IO-Link® device lost Input debounce time Port mode Target deviceID Target vendorID Target cycle time
Power supply, function	Incoming electronics/sensors and load and functional earth
Power supply, connection type	Plugs
power supply, connection system	7/8" to NFPA/T3.5.29 M12x1, L-coded to EN 61076-2-111 M18x1 Push-pull to IEC 61076-3-126
Power supply, number of pins/wires	4 ...5
Note on nominal operating voltage DC	Protected Extra-Low-Voltage to IEC 60204-1
Nominal operating voltage DC of load	24 V
Permissible voltage fluctuation of load	± 25 %
Nominal DC operating voltage, electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25%
Potential separation between the supply voltages electronics/sensor technology and load/valves	Yes
Reverse polarity protection	yes