

Automation system CPX-AP-A

Part number: 8079933

FESTO



Data sheet

Feature	Value
Electrical actuation	Ethernet
Width dimension	50.1 mm
Type of mounting	Direct mounting via through-hole On H-rail with accessories On mounting frame Screwed tightly with through-hole for M5 screw with accessories with through-hole for M6 screw with accessories with through-hole for M5 screw with through-hole for M6 screw
Product weight	450 g...5200 g
Mounting position	Arbitrary, 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
Information 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 level 1 as per FN 942017-4 and EN 60068-2-6
Overvoltage category	II
LABS (PWIS) conformity	VDMA24364-B2-L
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
Certification	RCM compliance mark c UL us - Listed (OL)
Note on materials	RoHS-compliant Halogen-free Free of phosphoric acid ester

Feature	Value
Diagnostics via LED	(Outputs) Diagnostics per channel (outputs) power supply load (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 for electronics/sensors Load power supply Status per channel Status per module System diagnostics Maintenance required
Diagnose per internal communication	Load switch-off IO-Link® event Communication error Short-circuit/overload in output signal Short circuit/overload in sensor supply Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Fieldbus interface, 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)
Fieldbus interface, connection type	2x socket
Fieldbus interface, connection technology	M12x1, D-coded as per EN 61076-2-101 RJ45 as per IEC 61076-3-117 (V14)
Fieldbus interface, number of poles/wires	4 ...8
Information on inputs	EP: 488 bytes Modbus: 4096 bytes
Module parameters	Configuration of voltage monitoring, load supply PL Behavior after short circuit/overload at the output
Channel parameters	Activation of 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, type of connection	Plug
Power supply, connection technology	7/8" as per NFPA/T3.5.29 M12x1, L-coded as per EN 61076-2-111 M18x1 Push-pull as per IEC 61076-3-126
Power supply, number of pins/wires	4 ...5
Note on nominal operating voltage DC	Protected Extra-Low-Voltage as per IEC 60204-1
Nominal operating voltage DC load	24 V
Permissible voltage fluctuations load	± 25 %
Nominal operating voltage DC for 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