Automation system
CPX-AP-A
Part number: 8079933

FESTO

Data sheet

Feature	Value
Electrical actuation	AP interface 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)

Feature	Value
Note on materials	RoHS-compliant Halogen-free Free of phosphoric acid ester
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 Wire break IO-Link® event Communication error Short-circuit/overload in output signal Short circuit/overload in sensor supply Short circuit/overload Parameter error Parameterization error Overload at analog inputs Upper limit value violated Electronics/sensors overvoltage Load overvoltage Underflow/overflow Lower limit value not complied with Electronics/sensors undervoltage Load undervoltage
Fieldbus interface, connection type	2x socket
Fieldbus interface, connection technology	M12x1, D-coded as per EN 61076-2-101
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 Measured value smoothing Port mode Signal range Target DeviceID Target VendorID Target cycle time Lower/upper limit Activation of linear scaling Unit for temperature measurement Hysteresis for monitoring measured values
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

Feature	Value
Reverse polarity protection	yes