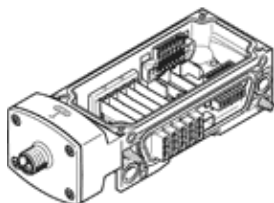


# system supply

## CPX-AP-A-S-1-M12-5P

Part number: 8129256

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	(installation dimensions) 50,1 mm x 150 mm x 45,6 mm
Grid dimension	50.1 mm
Mounting type	On H-rail with accessories With through-hole for M5 screw with accessories With through-hole for M6 screw with accessories
Product weight	178 g
Assembly position	Any, on H-rail: horizontal
Ambient temperature	-20 ... 50 °C
Note on ambient temperature	Note ambient temperature derating according to IEC 61131-2:2017
Storage temperature	-20 ... 70 °C
Relative air humidity	5 - 95 % non-condensing
Nominal altitude of use	≤ 2000 m ASL (> 79,5 kPa)
Max. installation height	3,500 m
Note on max. installation height	> 2000 m ASL (< 79,5 kPa) Note ambient temperature derating according to IEC 61131-2:2017
Corrosion resistance classification CRC	1 - Low corrosion stress
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Note on vibration resistance	SG1 on H-rail SG2 on direct mounting 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 2 in accordance with FN 942017-5 and EN 60068-2-27
Note on shock resistance	30 g/11 ms to EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
Safety class	III
Overvoltage category	II
PWIS conformity	VDMA24364-B2-L
Material fire test	UL94 V-0 (housing)
Materials note	Conforms to RoHS Halogen-free Free of phosphoric acid ester
Material housing	PA-reinforced
Material flange	Nickel-plated die-cast zinc
Material screws	Steel, nickel-plated
Material seals	PU foam
Power supply, function	Incoming electronics/sensors and load and functional earth
Power supply, type of connection	Plug
Power supply, connection technology	M12x1, L-coded to EN 61076-2-111
Power supply, number of pins/wires	5

Feature	Value
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Note on nominal operating voltage DC	2x24 V [XD1,PS,PL] Prot.Ext.Low-Volt. IEC 60204-1
Nominal operating voltage, DC outputs	24 V
Nominal operating voltage DC for electronics/sensors	24 V
Power supply, conductor diameter	2.5 mm <sup>2</sup>
Nominal current	10 A
Max. power supply	2 x 10 A (external fuse required)
Potential separation between the supply voltages electronics/sensors and load/valves	Yes