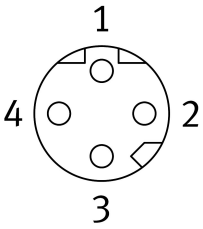
End plate
CPX-AP-A-EPLI

Part number: 8129250





Data sheet

Feature	Value
Dimensions (W x L x H)	(installation dimensions) 48.4 mm x 117.2 mm x 57.5 mm
Type of mounting	Direct mounting via through-hole On DIN rail via accessories On mounting frame Via through-hole for M5 screw Via through-hole for M6 screw
Product weight	245 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
Nominal altitude of use	<= 2000 m ASL (> 79.5 kPa)
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
Corrosion resistance class CRC	1 - Low corrosion stress
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Note on vibration resistance	SG1 on DIN rail SG2 on direct mounting Transport application test with severity class 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Note on shock resistance	30 g/11 ms to EN 60068-2-27 SG1 on DIN rail SG2 on direct mounting Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27
Protection class	III
Pollution degree	2
Overvoltage category	II
Max. cable length	50 m system communication

Feature	Value
LABS (PWIS) conformity	VDMA24364-B2-L
Fire test material	UL94 V-0 (housing)
Note on materials	RoHS compliant Free of halogen Free of phosphoric acid ester
Material housing	Coated die-cast aluminium
Material cover	Reinforced PBT
Material screws	Nickel-plated steel Galvanised steel
Material seals	Polyurethane foam
Material o-ring	Fluoro rubber
Diagnostics via LED	Diagnostics per module Power supply, electronics/sensors Load power supply
Diagnostics per internal communication	Switch-off load supply Communication error Short circuit/overload Power OUT PL Short circuit/overload Power OUT PS Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded according to EN 61076-2-114
Communication interface, number of pins/cores	4
Communication interface, protocol	AP
Communication interface, screened	Yes
Power transmission, function	Outgoing electronics/sensors and load
Power transmission, connection type	Socket
Power transmission, connection technology	M8x1, A-coded to EN 61076-2-104
Power transmission, number of pins/wires	4
Note regarding operating voltage	SELV/PELV fixed power supplies required Note the voltage drop
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%
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 45 mA
Intrinsic current consumption at nominal operating voltage load	Typically 11 mA
Power failure bridging	10 ms
Potential separation between the supply voltages electronics/sensor technology and load/valves	Yes
Reverse polarity protection	Yes
Behaviour after end of overload of the sensor supply	No automatic return with overload at Power OUT
Behaviour after end of overload of the outputs	No automatic return with overload at Power OUT
Fuse protection (short circuit)	Yes, Power-Out PS+PL