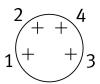
End plate CPX-AP-A-EPLI-S Part number: 8129249





Data sheet

48.4 mm x 117.2 mm x 61.5 mm Width dimension 50.1 mm Direct mounting via through-hole On H-rail with accessories On mounting frame with through-hole for M5 screw with through-hole for M6 screw Product weight 256 g Mounting position Arbitrary, on H-rail: horizontal Ambient temperature -20 °C50 °C Note on ambient temperature Observe ambient temperature derating according to IEC 61131-2:2017 Storage temperature -20 °C70 °C Relative air humidity 5 - 95 % Non-condensing Nominal altitude of use above sea level -2000 m ASL (< 79.5 kPa) Max. installation height 3500 m Information on max. installation height 3500 m -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 as per FN 942017-4 and EN 60068-2-6 SG 2 on direct mounting Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG 1 on H-rail SG 2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Feature	Value
Direct mounting on through-hole On H-rail with accessories On mounting frame with through-hole for M5 screw with through-hole for M6 screw Product weight 256 g Mounting position Arbitrary, on H-rail: horizontal Ambient temperature -20 °C50 °C Note on ambient temperature Observe ambient temperature derating according to IEC 61131-2:2017 Storage temperature -20 °C70 °C Relative air humidity 5-95 % Non-condensing Nominal altitude of use above sea level -2000 m ASL (< 79.5 kPa) 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 Corrosion resistance class (CRC) 1-Low corrosion stress Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock resistance Shock resistance Shock sets with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Dimensions W x L x H	
On H-rail with accessories On mounting frame with through-hole for M5 screw with through-hole for M6 screw Product weight 256 g Mounting position Arbitrary, on H-rail: horizontal Ambient temperature -20 °C50 °C Note on ambient temperature Observe ambient temperature derating according to IEC 61131-2:2017 Storage temperature -20 °C70 °C Relative air humidity 5 - 95 % Non-condensing Nominal altitude of use above sea level -2 2000 m ASL (> 79.5 kPa) Max. installation height 3500 m Information on max. installation height 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 as per FN 942017-4 and EN 60068-2-6 Note on vibration resistance Sfort on H-rail SG2 on direct mounting Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Shock resistance Note on shock resistance Sinck test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting SG2 on direct mounting SG2 on direct mounting SG3 on direct mounting SG4 on direct mounting SG5 on direct mounting	Width dimension	50.1 mm
Mounting position Arbitrary, on H-rail: horizontal Arbitrary, on H	Type of mounting	On H-rail with accessories On mounting frame with through-hole for M5 screw
Ambient temperature -20 °C50 °C Note on ambient temperature -20 °C70 °C Relative air humidity 5 · 95 % Non-condensing -20 °C79 °C Relative air humidity 5 · 95 % Non-condensing -20 °C79 °C Relative air humidity 5 · 95 % Non-condensing -20 °C70 °C 8 · Non-condensing -20 °C70 °C 8 · Non-condensing -20 °C70 °C 8 · Non-condensing -20 °C70 °C -20 °C70 °C70 °C -20 °	Product weight	256 g
Note on ambient temperature Observe ambient temperature derating according to IEC 61131-2:2017 Storage temperature -20 °C70 °C Relative air humidity 5 · 95 % Non-condensing Nominal altitude of use above sea level 4 = 2000 m ASL (> 79.5 kPa) Max. installation height 3500 m 1 · 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 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Mounting position	Arbitrary, on H-rail: horizontal
Storage temperature -20 °C70 °C Relative air humidity 5 · 95 % Non-condensing Nominal altitude of use above sea level -2000 m ASL (> 79.5 kPa) Max. installation height 1500 m >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 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock resistance 30 g/11 ms as per EN 60068-2-27 SG1 on H-rail SG2 on direct mounting SG3 on direct mounting SG4 on direct mounting SG5 on direct mounting SG5 on direct mounting SHOOKE SEA SHOO	Ambient temperature	-20 °C50 °C
Relative air humidity 5 - 95 % Non-condensing Nominal altitude of use above sea level <= 2000 m ASL (> 79.5 kPa) 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 Corrosion resistance class (CRC) 1 - Low corrosion stress Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting SG3 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Frotection class III	Note on ambient temperature	Observe ambient temperature derating according to IEC 61131-2:2017
Non-condensing Nominal altitude of use above sea level Ass. installation height Information on max. installation height Source 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 as per FN 942017-4 and EN 60068-2-6 Note on vibration resistance Sol on H-rail Sol on direct mounting Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Sol on H-rail Sol on H-rail Sol on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Sol on H-rail Sol on H-rail Sol on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 III	Storage temperature	-20 °C70 °C
Max. installation height Information on max. installation height 2000 m ASL (< 79.5 kPa) Observe ambient temperature derating according to IEC 61131-2;2017 1 - Low corrosion stress Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting SG2 on direct mounting SG3 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Relative air humidity	
Information on max. installation height > 2000 m ASL (< 79.5 kPa) Observe ambient temperature derating according to IEC 61131-2:2017 1 - Low corrosion stress Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Nominal altitude of use above sea level	<= 2000 m ASL (> 79.5 kPa)
Observe ambient temperature derating according to IEC 61131-2:2017 Corrosion resistance class (CRC) 1 · Low corrosion stress Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting SG3 on direct mounting SG3 on direct mounting SG3 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Max. installation height	3500 m
Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 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 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Note on shock resistance 30 g/11 ms as per EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Information on max. installation height	
EN 60068-2-6 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 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Frotection class III	Corrosion resistance class (CRC)	1 - Low corrosion stress
SG2 on direct mounting Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance 30 g/11 ms as per EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Protection class III	Vibration resistance	
Note on shock resistance 30 g/11 ms as per EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Protection class III	Note on vibration resistance	SG2 on direct mounting Transport application test with severity level 1 as per FN 942017-4 and
SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Protection class III	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
	Note on shock resistance	SG1 on H-rail
Contamination level 2	Protection class	III
	Contamination level	2

Feature	Value
Overvoltage category	II
Max. cable length	50 m system communication
LABS (PWIS) conformity	VDMA24364-B2-L
Material fire test	UL94 V-0 (housing)
Note on materials	RoHS-compliant
	Halogen-free Free of phosphoric acid ester
Housing material	Die-cast aluminum, coated
Cover material	PBT-reinforced
Material of screws	Steel, nickel-plated
Indicated of Science	Steel, alvanized
Seals material	PU foam
O-ring material	FPM
Diagnostics via LED	Diagnostics per module
	Power supply for electronics/sensors Load power supply
Diagnose per internal communication	Load switch-off
	Communication error Electronics/sensors overvoltage
	Load overvoltage
	Electronics/sensors undervoltage
May address apposite inputs	Load undervoltage
Max. address capacity outputs	2048 byte
Max. address capacity outputs Communication interface, function	2048 byte
Communication interface, connection type	System communication XF10 IN / XF20 OUT 2x socket
Communication interface, connection type Communication interface, connection technology	M8x1, D-coded as per EN 61076-2-114
Communication interface, connection technology Communication interface, number of pins/wires	4
Communication interface, number of pins/ wires	AP
Communication interface, shielding	yes
Power supply, function	Incoming electronics/sensors and load
Power supply, type of connection	Plug
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Power supply, number of pins/wires	4
Voltage forwarding, function	Outgoing electronics/sensors and load
Voltage forwarding, connection type	Socket
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Voltage forwarding, number of pins/wires	4
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Note on nominal operating voltage DC	2x24 V [XD1,PS,PL] 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 %
Power supply, conductor diameter	0.5 mm ²
Nominal current	4 A
Max. power supply	2 x 4 A (external fuse required)
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 41 mA
Power failure buffering	10 ms
Potential separation between the supply voltages electronics/sensor technology and load/valves	yes
Reverse polarity protection	yes
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