

# End plate CPX-AP-A-EPLI

Part number: 8129250

FESTO



 General operating condition

## Data sheet

| Feature                          | Value   |
|----------------------------------|---|
| Dimensions (W x L x H)           | 48.4 mm x 117.2 mm x 57.5 mm  |
| Type of mounting                 | On DIN rail via accessories<br>On mounting frame<br>Via through-hole for M5 screw<br>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%<br>Non-condensing   |
| Nominal altitude of use          | ≤ 2000 m ASL (> 79.5 kPa)   |
| Max. installation height         | 3500 m  |
| Note 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 to FN 942017-4 and EN 60068-2-6  |
| Note on vibration resistance     | SG1 on DIN rail<br>SG2 on direct mounting<br>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<br>SG1 on DIN rail<br>SG2 on direct mounting<br>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   |
| LABS (PWIS) conformity           | VDMA24364-B2-L  |
| Fire test material               | UL94 V-0 (housing)  |
| Note on materials                | RoHS compliant<br>Free of halogen<br>Free of phosphoric acid ester  |
| Material housing                 | Coated die-cast aluminium   |
| Material cover                   | Reinforced PBT  |
| Material screws                  | Nickel-plated steel<br>Galvanised steel   |

| Feature  | Value   |
|--|---|
| Material seals   | Polyurethane foam   |
| Material o-ring  | Fluoro rubber   |
| Diagnostics via LED  | Diagnostics per module<br>Power supply, electronics/sensors<br>Load power supply  |
| Diagnostics per internal communication   | Communication error<br>Short circuit/overload Power OUT PL<br>Short circuit/overload Power OUT PS<br>Electronics/sensors overvoltage<br>Load overvoltage<br>Electronics/sensors undervoltage<br>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, plug pattern  | 00995937  |
| 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   |
| Power transmission, plug pattern   | 00991872  |
| Note regarding operating voltage   | SELV/PELV fixed power supplies required<br>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  |