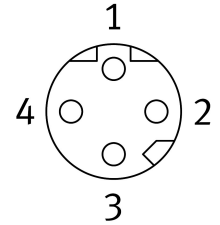


# End plate CPX-AP-A-EPLI

Part number: 8129250

**FESTO**



## Data sheet

| Feature                                 | Value                                                                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions W x L x H                    | (installation dimensions)<br>48.4 mm x 117.2 mm x 57.5 mm                                                                                               |
| Type of mounting                        | Direct mounting via through-hole<br>On H-rail with accessories<br>On mounting frame<br>with through-hole for M5 screw<br>with through-hole for M6 screw |
| Product weight                          | 245 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%<br>Non-condensating                                                                                                                             |
| 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)<br>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 for DIN rail<br>SG2 on direct mounting<br>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<br>SG1 on DIN rail<br>SG2 on direct mounting<br>Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27   |
| Protection class                        | III                                                                                                                                                     |
| Contamination level                     | 2                                                                                                                                                       |
| Overvoltage category                    | II                                                                                                                                                      |
| Max. cable length                       | 50 m system communication                                                                                                                               |

| Feature                                                                                        | Value                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LABS (PWIS) conformity                                                                         | VDMA24364-B2-L                                                                                                                                                                                                                       |
| Material fire test                                                                             | UL94 V-0 (housing)                                                                                                                                                                                                                   |
| Note on materials                                                                              | RoHS compliant<br>Halogen-free<br>Contains no phosphoric acid esters                                                                                                                                                                 |
| Housing material                                                                               | Die-cast aluminum, coated                                                                                                                                                                                                            |
| Cover material                                                                                 | PBT-reinforced                                                                                                                                                                                                                       |
| Material of screws                                                                             | Steel, nickel-plated<br>Galvanized steel                                                                                                                                                                                             |
| Seals material                                                                                 | PU foam                                                                                                                                                                                                                              |
| O-ring material                                                                                | FPM                                                                                                                                                                                                                                  |
| Diagnostics via LED                                                                            | Diagnostics per module<br>Power supply for electronics/sensors<br>Load power supply                                                                                                                                                  |
| Diagnose per internal communication                                                            | Load switch-off<br>Communication error<br>Short circuit/overload Power OUT PL<br>Short circuit/overload Power OUT PS<br>Electronics/sensors overvoltage<br>Overvoltage load<br>Electronics/sensors undervoltage<br>Undervoltage load |
| Communication interface, function                                                              | System communication XF10 IN / XF20 OUT                                                                                                                                                                                              |
| Communication interface, connection type                                                       | 2x port                                                                                                                                                                                                                              |
| Communication interface, connection technology                                                 | M8x1, D-coded as per EN 61076-2-114                                                                                                                                                                                                  |
| Communication interface, number of pins/wires                                                  | 4                                                                                                                                                                                                                                    |
| Communication interface, protocol                                                              | AP                                                                                                                                                                                                                                   |
| Communication interface, shielding                                                             | Yes                                                                                                                                                                                                                                  |
| 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<br>Note voltage drop                                                                                                                                                                         |
| 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%                                                                                                                                                                                                                                 |
| 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 buffering                                                                        | 10 ms                                                                                                                                                                                                                                |
| Potential separation between the supply voltages electronics/sensor technology and load/valves | Yes                                                                                                                                                                                                                                  |
| Reverse polarity protection                                                                    | Yes                                                                                                                                                                                                                                  |
| Behavior after end of overload of the sensor supply                                            | No automatic return with overload at Power-OUT                                                                                                                                                                                       |
| Behavior after end of overload of the outputs                                                  | No automatic return with overload at Power-OUT                                                                                                                                                                                       |
| Fuse protection (short circuit)                                                                | Yes, power-out PS+PL                                                                                                                                                                                                                 |