

# System supply CPX-AP-A-S-1-7/8-5P

Part number: 8129255

FESTO



 General operating condition

## Data sheet

| Feature                                 | Value   |
|---|---|
| Dimensions W x L x H                    | 50.1 mm x 122 mm x 35 mm  |
| Width dimension                         | 50.1 mm   |
| Type of mounting                        | On H-rail with accessories<br>with through-hole for M5 screw with accessories<br>with through-hole for M6 screw with accessories                    |
| Product weight                          | 113 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-condensing  |
| Nominal altitude of use above sea level | ≤ 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            | SG1 on H-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 H-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   |
| Overvoltage category                    | II  |
| LABS (PWIS) conformity                  | VDMA24364-B2-L  |
| Material fire test                      | UL94 V-0 (housing)  |
| Note on materials                       | RoHS-compliant<br>Halogen-free<br>Free of phosphoric acid ester   |
| Housing material                        | PA-reinforced   |
| Material of screws                      | Steel, nickel-plated  |
| Seals material                          | PU foam   |
| Material of threaded seal               | TPE-U(PU)   |
| Power supply, function                  | Incoming electronics/sensors and load and functional earth  |

| Feature  | Value  |
|--|--|
| Power supply, type of connection   | Plug   |
| Power supply, connection technology  | 7/8" as per NFPA/T3.5.29   |
| Power supply, connection pattern   | 00995967   |
| Power supply, number of pins/wires   | 5  |
| Note regarding operating voltage   | SELV/PELV fixed power supplies required<br>Note voltage drop         |
| Note on nominal operating voltage DC   | 2x24 V [XD1,PS,PL]<br>Protected Extra-Low-Voltage as per IEC 60204-1 |
| Nominal operating voltage DC load  | 24 V   |
| Nominal operating voltage DC for electronics/sensors   | 24 V   |
| Power supply, conductor diameter   | 1.5 mm <sup>2</sup>  |
| Nominal current  | 8 A  |
| Max. power supply  | 2 x 8 A (external fuse required)                                     |
| Potential separation between the supply voltages electronics/sensor technology and load/valves | yes  |