

System supply CPX-AP-A-S-1-M12-5P

Part number: 8129256

FESTO



Data sheet

| Feature | Value |
|---|---|
| Dimensions W x L x H | (installation dimensions) 50.1 mm x 150 mm x 45.6 mm |
| Width dimension | 50.1 mm |
| Type of mounting | On H-rail with accessories with through-hole for M5 screw with accessories with through-hole for M6 screw with accessories |
| Product weight | 178 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 % 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 |
| 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 |
| Overvoltage category | II |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Material fire test | UL94 V-0 (housing) |

| Feature | Value |
|--|--|
| Note on materials | RoHS-compliant Halogen-free Free of phosphoric acid ester |
| Housing material | PA-reinforced |
| Material of flange | Die-cast zinc, nickel-plated |
| Material of screws | Steel, nickel-plated |
| Seals material | PU foam |
| Power supply, function | Incoming electronics/sensors and load and functional earth |
| Power supply, type of connection | Plug |
| Power supply, connection technology | M12x1, L-coded as per EN 61076-2-111 |
| Power supply, number of pins/wires | 5 |
| 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 |
| Nominal operating voltage DC for electronics/sensors | 24 V |
| Power supply, conductor diameter | 2.5 mm ² |
| Nominal current | 10 A |
| Max. power supply | 2 x 10 A (external fuse required) |
| Potential separation between the supply voltages electronics/sensor technology and load/valves | yes |