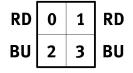
IO-Link master module **CPX-E-4IOL**

Part number: 4080495

Data sheet

| Feature | Value |
|--|--|
| Protocol | IO-Link® |
| Dimensions (W x L x H) | 18.9 x 76.6 x 124.3 mm |
| Grid dimension | 18.9 mm |
| Type of mounting | With H-rail |
| Product weight | 96 g |
| Mounting position | Vertical Horizontal |
| Ambient temperature | -5 °C50 °C |
| Note on ambient temperature | -5 - 60°C for vertical installation |
| Storage temperature | -20 °C70 °C |
| Relative air humidity | 95 % Non-condensing |
| Degree of protection | IP20 |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| Vibration resistance | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27 |
| Protection against direct and indirect contact | PELV |
| LABS (PWIS) conformity | VDMA24364 zone III |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| KC mark | KC-EMV |
| Approval | RCM trademark c UL us listed (OL) |
| Certificate issuing authority | UL E239998 |
| Note on materials | RoHS-compliant |
| Material housing | РА |
| Diagnostics via LED | Errors per module Status per channel |

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| Feature | Value |
|--|--|
| Diagnostics via bus | Device missing/failed Wire break Module error Short circuit Parameter errors Overflow/underflow Undervoltage General errors |
| Max. address volume, outputs | 1 Byte |
| Number of outputs | 8 |
| Module parameters | Short circuit diagnostics for actuator supply Deactivate sensor supply Behaviour after short circuit/overload |
| Channel parameters | Deactivate actuator supply Device error code Force channel x Channel mode Channel status Cycle time |
| Power supply, connection type | Terminal strip |
| power supply, connection system | Spring-loaded terminal |
| Power supply, number of pins/wires | 4 |
| 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% |
| Power supply, conductor diameter | 0.2 mm ² 1.5 mm ² |
| Power supply, note on conductor diameter | 0.2 - 2.5 mm ² for flexible conductors without wire ferrule |
| Intrinsic current consumption at nominal operating voltage for electronics/sensors | Typically 50 mA |
| Intrinsic current consumption at nominal operating voltage load | Typically 15 mA |
| Reverse polarity protection | 24 V load against 0 V load 24 V sensor supply against 0 V sensor supply |
| Characteristic for outputs | According to IEC 61131-2, type 0.5 |
| Switching logic for outputs | PNP (positive switching) |
| Reverse voltage protection, load | No |
| Reverse voltage protection, logic | No |
| Max. residual current outputs per module | 4 A |
| Isolation channel - channel | no |
| Isolation channel - internal bus | no |
| Fuse protection (short circuit) | Internal electronic fuse per channel Internal electronic fuse per module |
| Electrical connection for IO-Link, connection type | 4x terminal strip |
| Electrical connection for IO-Link, connection technology | Spring-loaded terminal |
| Electrical connection for IO-Link, number of pins/wires | 6 |
| Electrical connection for IO-Link, conductor cross section | 0.2 mm ² 1.5 mm ² |
| Electrical connection for IO-Link, note on conductor cross section | 0.2 - 2.5 mm ² for flexible conductors without wire ferrule |
| IO-Link, communication | C/Q green LED |
| IO-Link, Number of ports | 4 |
| IO-Link, Port class | В |
| IO-Link, Protocol version | Master V 1.1 |
| IO-Link, communication mode | SIO, COM1 (4.8 kBd), COM2 (38.4 kBd), COM3 (230.4 kBd) Configurable via software |
| IO-Link, Process data length OUT | Can be parameterised, 8-32 bytes |
| IO-Link, Process data length IN | Can be parameterised, 8-32 bytes |
| IO-Link, Min. cycle time | Dependent on minimum supported cycle time of the connected IO-Link® device |