

# Electrical interface CPX-CTEL-4-M12-5POL

Part number: 1577012

FESTO



## Data sheet

| Feature                          | Value                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Protocol                         | I-Port                                                                                                                                      |
| Dimensions W x L x H             | (incl. interlinking block)<br>50 mm x 107 mm x 55 mm                                                                                        |
| Product weight                   | 110 g                                                                                                                                       |
| Ambient temperature              | -5 °C...50 °C                                                                                                                               |
| Storage temperature              | -20 °C...70 °C                                                                                                                              |
| Degree of protection             | IP65<br>IP67                                                                                                                                |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress<br>(when installed)                                                                                                |
| Max. cable length                | 20 m                                                                                                                                        |
| LABS (PWIS) conformity           | VDMA24364-B2-L                                                                                                                              |
| Note on materials                | RoHS-compliant                                                                                                                              |
| Housing material                 | PA-reinforced<br>PC                                                                                                                         |
| LED indicators                   | I-Port status/diagnostics<br>Module status<br>Load supply status<br>System supply status                                                    |
| Diagnostics                      | Communication error<br>Module short circuit<br>Module-orientated diagnostics<br>Undervoltage                                                |
| Control elements                 | DIL switch                                                                                                                                  |
| Max. address capacity inputs     | 32 byte                                                                                                                                     |
| Max. address capacity outputs    | 32 byte                                                                                                                                     |
| Parameterization                 | Diagnostic behavior<br>Fail-safe modes per channel<br>Forcing per channel<br>Idle mode per channel<br>Module parameters<br>Tool change mode |
| Internal cycle time              | 1 ms per 1 byte of user data                                                                                                                |
| Additional functions             | Tool change mode                                                                                                                            |

| Feature                                                    | Value                                |
|------------------------------------------------------------|--------------------------------------|
| Electrical connection                                      | 4x socket<br>5-pin<br>A-coded<br>M12 |
| DC operating voltage range                                 | 18 V...30 V                          |
| Nominal operating voltage DC                               | 24 V                                 |
| Intrinsic current consumption at nominal operating voltage | Typ. 65 mA                           |
| Power failure buffering                                    | 10 ms                                |
| Max. residual current of outputs per channel               | 4 x 1.6 A                            |
| Max. power supply per channel                              | 4 x 1.6 A                            |
| Electrical isolation between channels                      | no                                   |
| Electrical isolation between channel and internal bus      | Yes, when using intermediate feed    |
| Number of device interfaces                                | 4                                    |