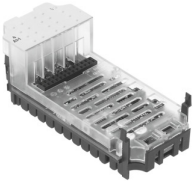


# Analogue module CPX-4AE-I

Part number: 541484

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                                        | Value                                                                                                                                                                                              |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions W x L x H                                           | (incl. interlinking block and connection system)<br>50 mm x 107 mm x 50 mm                                                                                                                         |
| Product weight                                                 | 47 g                                                                                                                                                                                               |
| Ambient temperature                                            | -5 °C ... 50 °C                                                                                                                                                                                    |
| Storage temperature                                            | -20 °C ... 70 °C                                                                                                                                                                                   |
| Degree of protection                                           | Depends on manifold block                                                                                                                                                                          |
| Corrosion resistance class (CRC)                               | 1 - Low corrosion stress<br>(when installed)                                                                                                                                                       |
| Max. cable length                                              | 30 m<br>Shielded                                                                                                                                                                                   |
| LABS (PWIS) conformity                                         | VDMA24364-B2-L                                                                                                                                                                                     |
| Housing material                                               | PA-reinforced<br>PC                                                                                                                                                                                |
| LED indicators                                                 | 1 group diagnostics                                                                                                                                                                                |
| Diagnostics                                                    | Wire break per channel<br>Limit value violation per channel<br>Short circuit, input signal<br>Parameterization error                                                                               |
| Parameterization                                               | Data format<br>Forcing per channel<br>Limit value monitoring per channel<br>Measured value smoothing<br>Signal range per channel<br>Response to short circuit<br>Wire break monitoring per channel |
| Internal cycle time                                            | 10 ms                                                                                                                                                                                              |
| DC operating voltage range                                     | 18 V ... 30 V                                                                                                                                                                                      |
| Nominal operating voltage DC                                   | 24 V                                                                                                                                                                                               |
| Intrinsic current consumption at nominal operating voltage     | Typ. 50 mA                                                                                                                                                                                         |
| No. of inputs                                                  | 4                                                                                                                                                                                                  |
| Data format                                                    | 12 bit + sign<br>Scalable to 15 bits                                                                                                                                                               |
| Repetition accuracy                                            | 0.15 % at 25 °C                                                                                                                                                                                    |
| Basic error limit at 25°C                                      | ±0.5 %                                                                                                                                                                                             |
| Operating error limit related to the ambient temperature range | ±0.6 %                                                                                                                                                                                             |
| Sensor type                                                    | 0 - 20 mA<br>4 - 20 mA                                                                                                                                                                             |
| Electrical isolation between channels                          | no                                                                                                                                                                                                 |
| Electrical isolation between channel and internal bus          | Yes, without using the internal sensor supply                                                                                                                                                      |
| Fuse protection (short circuit)                                | Internal electronic fuse                                                                                                                                                                           |