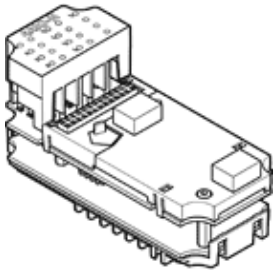


input module CPX-4AE-4AA-H

Part number: 8059847

FESTO

HART-capable, configurable as input or output.



Data sheet

| Feature | Value |
|---|--|
| Protocol | HART |
| Dimensions W x L x H | (incl. interlinking block and connection technology) 50 mm x 107 mm x 70 mm |
| Grid dimension | 50 mm |
| Mounting type | On interlinking block |
| Product weight | 77.4 g |
| Ambient temperature | -5 ... 50 °C |
| Storage temperature | -20 ... 70 °C |
| Relative air humidity | 95 % non-condensing |
| Protection class | Depending on the connection block |
| Corrosion resistance classification CRC | 1 - Low corrosion stress (when installed) |
| Vibration resistance | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 |
| Max. line length | 500 m |
| PWIS conformity | VDMA24364-B2-L |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Materials note | Conforms to RoHS |
| Material housing | PA-reinforced PC |
| LED displays | 1 group diagnostics 4 channel diagnostics 4 channel status |
| Diagnosis | Wire break per channel Limit violation per channel Limit violation to NE43 per channel Short circuit/overload per channel parameterisation error Overflow/underflow |
| Control elements | DIL switches |
| Parameters configuring | Data format Fail-safe mode per channel Forcing per channel Limit monitoring/channel Idle mode per channel Measured value smoothing Signal range per channel Overflow/underflow monitoring Monitoring to NE43 inputs Monitoring wire break/channel Wire break per channel |

| Feature | Value |
|--|---|
| | Limit violation per channel Short circuit/overload per channel parameterisation error Overflow/underflow Limit violation to NE43 per channel Number of HART repetitions Hysteresis for limit values HART variables Behaviour after short circuit/overload |
| Max. load | 750 Ohm |
| Operating voltage range DC | 18 ... 30 V |
| Nominal operating voltage DC | 24 V |
| Intrinsic current consumption at operating voltage | Typ. 170 mA |
| Power failure buffering | 10 ms |
| Polarity protected | for all electrical connections |
| Min. available sensor voltage | 20.7 V at 20 mA |
| Max. input resistance | 300 Ohm |
| Number of selectable analogue inputs/outputs | 4 |
| Data format | 15 bits + prefix Can be scaled to 15 bit |
| Signal range | 0 - 20 mA 4 - 20 mA 4 - 20 mA with HART |
| Repetition accuracy | 0.05% at 25 ^o C |
| Basic error limit at 25°C | ±0,1 % |
| Operating error limit related to the ambient temperature range | ±0,3 % |
| Sensor types | 0 - 20 mA 4 - 20 mA 4 - 20 mA with HART |
| Max. open circuit voltage | 28.8 V |
| Electrical isolation channel – channel | No |
| Electrical isolation channel – internal bus | Yes |
| Max. short circuit current | 22 mA |
| Protection (short circuit) | Internal electronic fuse protection per channel |