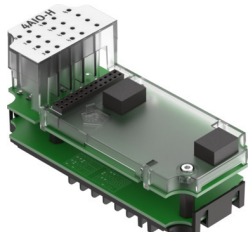


Input module CPX-4AE-4AA-H

Part number: 8059847

FESTO



Data sheet

Feature	Value
Protocol	HART
Dimensions (W x L x H)	(incl. interlinking block and connection technology) 50 x 107 x 70 mm
Grid dimension	50 mm
Type of mounting	On interlinking block
Product weight	77.4 g
Ambient temperature	-5 °C...50 °C
Storage temperature	-20 °C...70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	Dependent on the manifold block
Corrosion resistance class CRC	1 - Low corrosion stress (when installed)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Max. cable length	500 m
LABS (PWIS) conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	To EU EMC Directive
Note on materials	RoHS-compliant
Material housing	PA-reinforced PC
LED display	1 Group diagnostics 4 channel diagnostics 4 Channel status
Diagnosis	Wire break per channel Limit value violation per channel Short circuit/overload per channel Parameterisation error Overflow/underflow Limit value violation as per NE43 per channel
Operator controls	DIL switch

Feature	Value
Parameterisation	Data format Fail-safe per channel Forcing per channel Limit monitoring per channel Idle mode per channel Measured value smoothing Signal range per channel Overflow/underflow monitoring Monitoring according to NE43 inputs Wire break monitoring per channel Number of HART repetitions Wire break per channel Limit value violation as per NE43 per channel Limit value violation per channel HART variables Hysteresis for critical limits Short circuit/overload per channel Parameterisation error Overflow/underflow Behaviour after short circuit/overload
Max. load	750 Ohm
Operational voltage range DC	18 V...30 V
Nominal operating voltage DC	24 V
Intern power consumption nominal operating voltage	Typ. 170 mA
Power failure bridging	10 ms
Reverse polarity protection	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 Scalable to 15 bits
analog input	0 - 20 mA 4 - 20 mA 4 - 20 mA with HART
Repetition accuracy	0.05% at 25°C
Basic error limit at 25 °C	±0.1%
Operating error limit related to the ambient temperature range	±0.3%
Sensor type	0 - 20 mA 4 - 20 mA 4 - 20 mA with HART
Max. open circuit voltage	28.8 V
Isolation channel - channel	no
Isolation channel - internal bus	yes
Max. short circuit current	22 mA
Fuse protection (short circuit)	Internal electronic fuse per channel