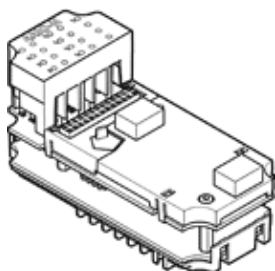


Input module CPX-4AE-4AA-H

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 symbol (see declaration of conformity)	according to EU-EMV guideline
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 Critical limit violation per channel Critical limit violation as per 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 as per NE43, inputs Monitoring of wire break/channel Wire break per channel

Feature	Value
	Critical limit violation per channel Short circuit/overload per channel parameterisation error Overflow/underflow Critical limit violation as per NE43 per channel Number of HART repetitions Hysteresis for critical limits 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