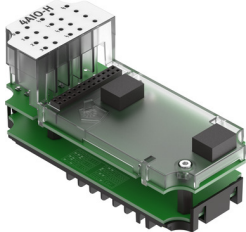


Input module CPX-4AE-4AA-H

Part number: 8059847

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	(incl. interlinking block and connection system) 50 mm x 107 mm x 70 mm
Width dimension	50 mm
Type code	CPX
Number of selectable analog inputs/outputs	4
Diagnostics	Wire break per channel Limit value violation per channel Limit value violation as per NE43 per channel Short circuit/overload per channel Parameterization error Overflow/underflow
Parameterization	Data format Fail-safe modes per channel Forcing per channel Limit value 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 Wire break per channel Limit value violation per channel Short circuit/overload per channel Parameterization error Overflow/underflow Limit value violation as per NE43 per channel Number of HART repetitions Hysteresis for critical limits HART variables Response to short circuit/overload
Reverse polarity protection	for all electrical connections
Control elements	DIL switch
LED indicators	1 group diagnostics 4 channel diagnostics 4 channel status
Repetition accuracy	0.05 % at 25 °C
Fuse protection (short circuit)	Internal electronic fuse per channel
DC operating voltage range	18 V ... 30 V
Intrinsic current consumption at nominal operating voltage	Typ. 170 mA
Operating error limit related to the ambient temperature range	±0.3 %
Basic error limit at 25°C	±0.1 %
Nominal operating voltage DC	24 V

Feature	Value
Power failure buffering	10 ms
Electrical isolation between channel and internal bus	yes
Electrical isolation between channels	no
CE marking (see declaration of conformity)	As per EU EMC directive
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	1 - Low corrosion stress (when installed)
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	Depends on manifold block
Ambient temperature	-5 °C ... 50 °C
Product weight	77.4 g
Max. load	750 Ohm
Max. input resistance	300 Ohm
Max. short circuit current	22 mA
Max. open circuit voltage	28.8 V
Min. available sensor voltage	20.7 V at 20 mA
Signal range	0 - 20 mA 4 - 20 mA 4–20 mA with HART
Data format	15 bit + sign Scalable to 15 bits
Protocol	HART
Max. cable length	500 m
Sensor type	0 - 20 mA 4 - 20 mA 4–20 mA with HART
Type of mounting	On interlinking block
Note on materials	RoHS-compliant
Housing material	PA-reinforced PC