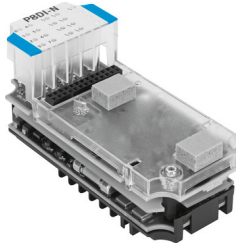


Input module CPX-P-8DE-N-IS

Part number: 565934

FESTO



 General operating condition

Data sheet

Feature	Value
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 CPX-M-GE..
Product weight	100 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
Note on vibration resistance	SG1 on H-rail SG2 on direct mounting
Note on shock resistance	SG1 on H-rail SG2 on direct mounting
Max. cable length	200 m
LABS (PWIS) conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
CE marking (see declaration of conformity)	To UK EX instructions
Explosion protection	Zone 0 (BR) Zone 0 (IEC-EX) Zone 20 (BR) Zone 20 (IEC-EX) Zone 22[20] (UKEX) Zone 2[0] (UKEX)
ATEX category gas	II (1) G
ATEX category dust	II (1) D
Explosion protection certification outside the EU	EPL Da (BR) EPL Da (IECEx) EPL Dc[Da] (GB) EPL Ga (BR) EPL Ga (IEC-EX) EPL Gd[Ga] (GB)
Explosion ignition protection type for gas	[Ex ia Ga] IIC
Explosion ignition protection type for dust	[Ex ia Da] IIIC
Explosion ambient temperature	-5°C ≤ Ta ≤ +70°C
Certificate issuing authority	DNV 15.0192 X IECEx ZLM 12.0007 X ZELM 12 ATEX 0500 X
Note on materials	RoHS-compliant

Feature	Value
Material housing	PA-reinforced PC
LED display	1 Group diagnostics 8 channel diagnostics 8 Channel status
Diagnosis	Wire break per channel Limit value violation per channel Short circuit per channel Parameterisation error
Operator controls	DIL switch
Parameterisation	Data format Input debounce time per channel Input function per channel Replacement value in diagnostic case per channel Signal extension time per channel Gate time per channel Monitoring limit values per channel Monitoring of short circuit per channel Parameter monitoring Counter configuration per channel Upper limit per channel Lower limit value per channel Wire break monitoring per channel
Additional functions	Frequency measurement Counter function
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 25%
Residual ripple	0.4 Vpp
Intern power consumption nominal operating voltage	Typ. 75 mA
Power failure bridging	20 ms
Reverse polarity protection	For operating voltage
Number of inputs	8
Characteristic for inputs	To EN 60947-5-6
Switching level	To EN 60947-5-6
Input debounce time	3 ms (0 ms, 10 ms, 20 ms, parameterisable)
Max. output power Po	0.042 W
Max. output voltage Uo	10 V
Max. output current Io	0.017 A
Max. external inductance Lo	125 mH
Max. external capacitance Co	3000 nF
Isolation channel - channel	no
Isolation channel - internal bus	yes
Fuse protection (short circuit)	Per channel