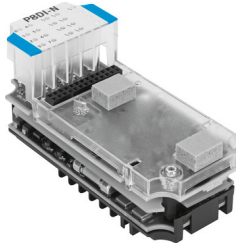


Input module CPX-P-8DE-N-IS

Part number: 565934

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Dimensions W x L x H	(incl. interlinking block and connection system) 50 mm x 107 mm x 70 mm
Width 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	Depends on 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 marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
Explosion prevention and 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 for dust	II (1) D
Explosion protection certification outside the EU	EPL Da (BR) EPL Da (IEC-EX) EPL Dc[Da] (GB) EPL Ga (BR) EPL Ga (IEC-EX) EPL Gd[Ga] (GB)
Type of ignition protection for gas	[Ex ia Ga] IIC
Type of (ignition) protection for dust	[Ex ia Da] IIIC
Explosive 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
Housing material	PA-reinforced PC
LED indicators	1 group diagnostics 8 channel diagnostics 8 channel status
Diagnostics	Wire break per channel Limit value violation per channel Short circuit per channel Parameterization error
Control elements	DIL switch
Parameterization	Data format Input debouncing time per channel Input function per channel Replacement value in diagnostic case per channel Signal extension time per channel Gate time per channel Limit value monitoring per channel Short circuit monitoring 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 Vss
Intrinsic current consumption at nominal operating voltage	Typ. 75 mA
Power failure buffering	20 ms
Reverse polarity protection	for operating voltage
No. of inputs	8
Input characteristics	as per EN 60947-5-6
Switching level	as per EN 60947-5-6
Input debounce time	3 ms (0 ms, 10 ms, 20 ms parameterizable)
Max. power output Po	0.042 W
Max. output voltage Vo	10 V
Max. output current Io	0.017 A
Max. external inductance Lo	125 mH
Max. external capacitance Co	3000 nF
Electrical isolation between channels	no
Electrical isolation between channel and internal bus	yes
Fuse protection (short circuit)	Per channel