

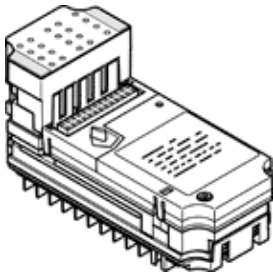
input module

CPX-P-8DE-N-IS

Part number: 565934

FESTO

Digital NAMUR input block, 8-channel, intrinsically safe.



Data sheet

Feature	Value
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 CPX-M-GE..
Product weight	100 g
Ambient temperature	-5 ... 50 °C
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	Depending on the connection 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. line length	200 m
PWIS conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category Gas	II (1) G
ATEX category 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 Gc[Ga] (GB)
Explosion ignition protection type Gas	[Ex ia Ga] IIC
Explosion ignition protection type Dust	[Ex ia Da] IIIC
Explosion-proof ambient temperature	-5 °C ≤ Ta ≤ +70 °C
Certificate issuing department	DNV 15.0192 X IECEX ZLM 12.0007 X ZELM 12 ATEX 0500 X
Materials note	Conforms to RoHS
Material housing	PA-reinforced PC
LED displays	1 group diagnostics 8 channel diagnostics 8 channel status
Diagnosis	Wire break per channel Limit violation per channel Short circuit per channel parameterisation error
Control elements	DIL switches
Parameters configuring	Data format

Feature	Value
	Input debounce time per channel Input function per channel Replacement value in diagnostics case per channel Signal extension time per channel Gate time per channel Monitoring limit values per channel Monitoring short circuit per channel Monitoring parameters Counter configuration per channel Upper limit value per channel Lower limit value per channel Monitoring wire break/channel
Additional functions	Frequency measurement Counter operation
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	+/- 25 %
Residual ripple	0,4 V _{ss}
Intrinsic current consumption at operating voltage	Typically 75 mA
Power failure buffering	20 ms
Polarity protected	for operating voltage
No. of inputs	8
Input characteristics	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. power output P _o	42 mW
Max. output voltage U _o	10 V
Max. output current I _o	16.8 mA
Max. exterior inductance L _o	125 mH
Max. exterior capacity C _o	3 µF
Electrical isolation channel – channel	No
Electrical isolation channel – internal bus	Yes
Protection (short circuit)	Per channel