

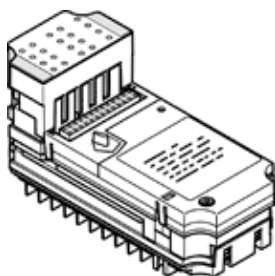
input module

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
No. of inputs	8
Diagnosis	Wire break per channel Limit violation per channel Short circuit per channel parameterisation error
Parameters configuring	Data format 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
Polarity protected	for operating voltage
Additional functions	Frequency measurement Counter operation
Control elements	DIL switches
LED displays	1 group diagnostics 8 channel diagnostics 8 channel status
Input debounce time	3 ms (0 ms, 10 ms, 20 ms, parameterisable)
Protection (short circuit)	Per channel
Intrinsic current consumption at operating voltage	Typically 75 mA
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 μ F
Nominal operating voltage DC	24 V
Power failure buffering	20 ms
Electrical isolation channel – internal bus	Yes
Electrical isolation channel – channel	No
Residual ripple	0,4 V_{ss}
Switching level	To EN 60947-5-6
Permissible voltage fluctuation	+/- 25 %
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)

Feature	Value
Explosion protection certification outside the EU	EPL Da (BR) EPL Da (IEC-EX) EPL Ga (BR) EPL Ga (IEC-EX)
Certificate issuing department	DNV 15.0192 X IECEX ZLM 12.0007 X ZELM 12 ATEX 0500 X
ATEX category Gas	II (1) G
ATEX category Dust	II (1) D
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
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	Depending on the connection block
Ambient temperature	-5 ... 50 °C
Product weight	100 g
Input characteristics	To EN 60947-5-6
Max. line length	200 m
Mounting type	On interlinking block CPX-M-GE..
Materials note	Conforms to RoHS
Material housing	PA-reinforced PC