



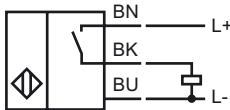
Model Number

CCN5-F46A-E2

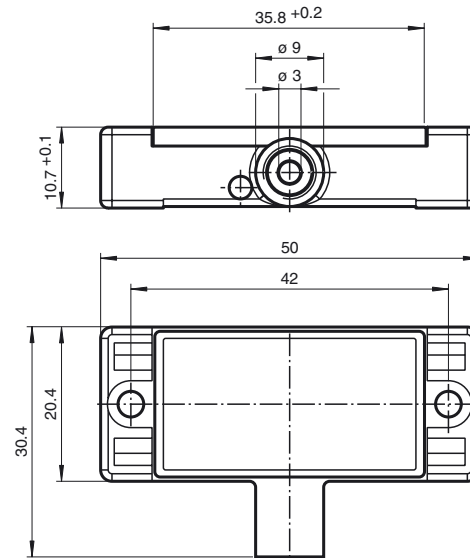
Features

- 5 mm not embeddable
- 3-wire DC
- Flat housing
- Chemically resistant PVDF housing
- Mounting slots for cable ties
- Protection degree IP68
- Thru-holes for screw mounting

Connection



Dimensions



Technical Data

General specifications

Switching element function	PNP	NO
Rated operating distance	s_n	5 mm
Installation	not embeddable	
Output polarity	DC	
Assured operating distance	s_a	0 ... 3.5 mm

Nominal ratings

Installation conditions

B	0 mm
C	10 mm
F	20 mm / 50 mm
Operating voltage	U_B 10 ... 30 V DC
Switching frequency	f 0 ... 10 Hz
Hysteresis	H 1 ... 10 typ. 5 %
Reverse polarity protected	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	U_d ≤ 2 V
Operating current	I_L 0 ... 100 mA
Lowest operating current	I_m 0 mA
Off-state current	I_r 0 ... 0.5 mA typ. 0.01 mA
No-load supply current	I_0 ≤ 15 mA
Indication of the switching state	LED, yellow

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Connection type	cable FEP, 2 m
Core cross-section	0.14 mm ²
Housing material	PVDF
Sensing face	PVDF
Protection degree	IP68
Note	cable tensile strength 20 N

Compliance with standards and directives

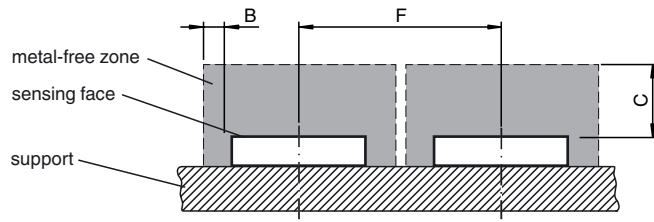
Standard conformity

Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
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Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

Installation conditions



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