

- Flat housing
- Mounting slots for cable ties
- Thru-holes for screw mounting

[illegible]

General specifications

Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	s _n	5 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s _a	0 ... 3.5 mm
Output type		3-wire

Nominal ratings

Installation conditions		
B		0 mm
C		10 mm
F		20 mm / 50 mm
Operating voltage	U _B	10 ... 30 V

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Switching frequency	f	0 ... 10 Hz
Hysteresis	H	1 ... 10 % typ. 5 %
Reverse polarity protection		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
Off-state current $T_U = 40$ °C, switching element off		≤ 100 μ A
No-load supply current	I_0	≤ 15 mA
Time delay before availability	t_v	≤ 120 ms
Switching state indicator		LED, yellow

Functional safety related parameters

MTTF _d	672 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

Compliance with standards and directives

Standard conformity	
Standards	EN IEC 60947-5-2

Approvals and certificates

UL approval	cULus Listed, General Purpose
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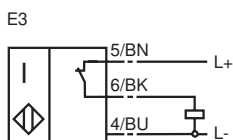
Ambient conditions

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

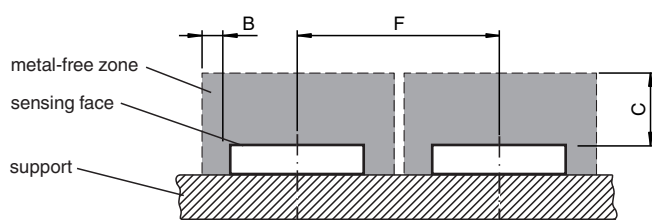
Mechanical specifications

Core cross section	0.14 mm ²
Housing material	PBT
Sensing face	PBT
Degree of protection	IP67
Dimensions	
Height	20 mm
Width	50 mm
Length	5 mm

Connection



Installation Conditions



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