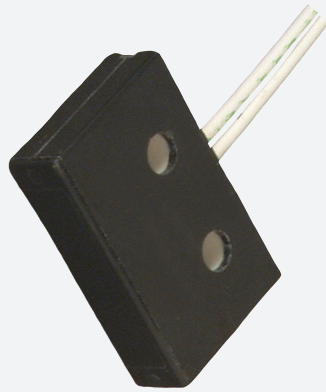
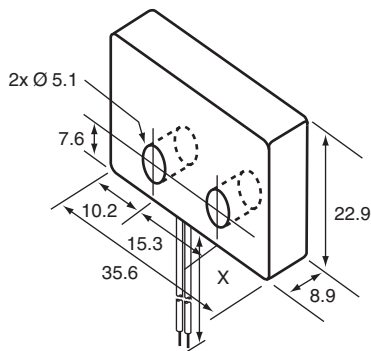




Magnetic field sensor 50FR2-3-1

- Magnetically actuated reed switch
- Hermetically sealed contacts
- AC/DC compatibility
- Matching permanent magnet

Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Reed Contact
Rated operating distance	s_n	11.4 mm
Installation		non-flush
Output polarity		AC/DC
Output type		2-wire AC/DC
Mechanical life		3 x 10 ⁷ operations
Nominal ratings		
Operating voltage	U_B	100 V DC, 250 mA 115 V AC, 250 mA
Hysteresis	H	22 ... 145 %
Contact resistance		0.2 Ω
Insulation resistance		min. 100 M Ω at 200 V DC
Dielectric strength		200 V AC, 60 Hz
Release point		max. 17.8 mm
Electrical specifications		
Electrical rating		AC supply: 10 VA, 132 V AC, 750 mA DC supply: 10 W, 100 V DC, 300 mA
Ambient conditions		

Release date: 2024-10-17 Date of issue: 2024-10-17 Filename: 450055_eng.pdf

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

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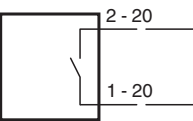
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PEPPERL+FUCHS

Technical Data

Ambient temperature	-40 ... 125 °C (-40 ... 257 °F)
Mechanical specifications	
Connection type	cable PVDF , 914 mm
Core cross section	0.5 mm²
Housing material	Phenolic
Sensing face	Phenolic
Degree of protection	IP68
Dimensions	
Height	8.9 mm
Width	35.6 mm
Depth	22.9 mm

Connection



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