



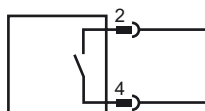
Model Number

40FR1-33

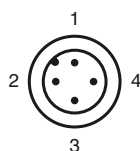
Features

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

Connection



Pinout



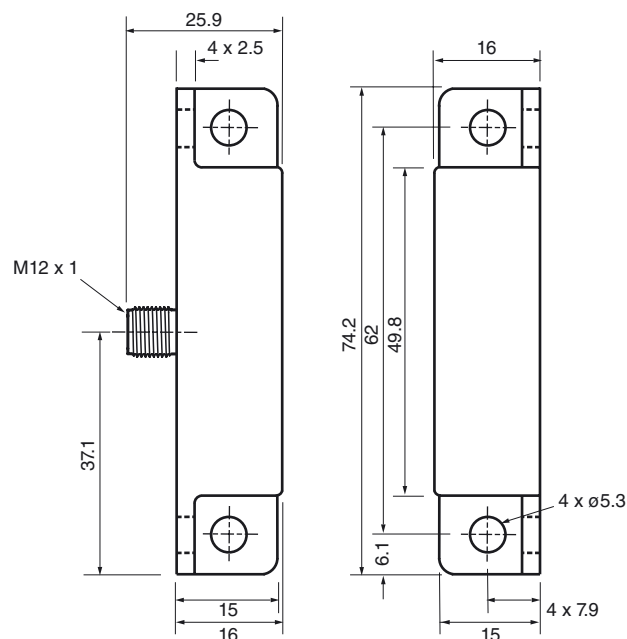
Wire colors in accordance with EN 60947-5-2

1	BN
2	WH
3	BU
4	BK

Accessories

41FR2
Magnetic actuator
V1-G-2M-PVC
Cable connector

Dimensions



Technical Data

General specifications

Switching element function	Reed Contact Normally Open
Rated operating distance	s_n 19.8 mm
Installation	not embeddable
Output polarity	AC/DC
Mechanical life	3×10^7 operations

Nominal ratings

Operating voltage	U_B 100 V DC, 250 mA 115 V AC, 250 mA
Hysteresis	H ≥ 2.54 mm
Contact resistance	0.15 Ω
Insulation resistance	≥ 100 M Ω at 200 V
Dielectric strength	200 V AC, 60 Hz
Release point	$\leq \leq 43$ mm

Electrical specifications

Electrical rating	AC supply: 10 VA, 132 V AC, 750 mA DC supply: 10 W, 100 V DC, 300 mA
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Ambient conditions

Ambient temperature	-40 ... 125 °C (-40 ... 257 °F)
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Mechanical specifications

Connection type	M12 connector, 4-pin
Housing material	Polycarbonate
Sensing face	Polycarbonate
Protection degree	IP68