

Magnetic field sensor

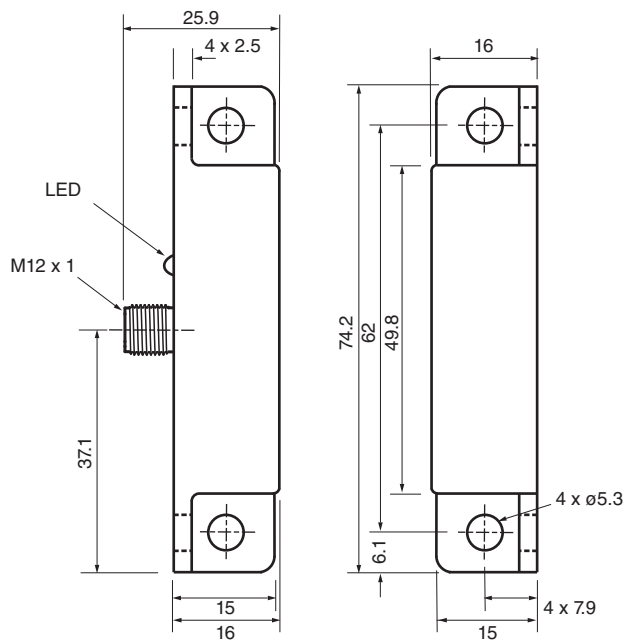
40FY26-33



- Hall Effect Sensor
- Door Interrupt Sensor
- Tamper resistant magnetic actuator



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type		PNP
Rated operating distance	s _n	Use either 41FY1 - 6.4 - 15.2 mm or 41FY2 - 7.6 - 19 mm
Installation		non-flush
Output polarity		DC
Output type		3-wire

Nominal ratings

Operating voltage	U _B	10 ... 30 V DC
Hysteresis	H	5 ... 25 %
Short-circuit protection		yes

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

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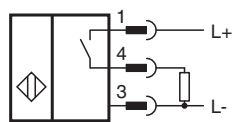
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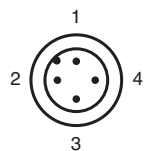
Technical Data

Voltage drop	U_d	$\leq 2.5\text{ V DC}$
Repeat accuracy		$\pm 3\%$
Operating current	I_L	$\leq 200\text{ mA}$
Off-state current	I_r	$\leq 30\text{ mA}$
No-load supply current	I_0	$\leq 40\text{ mA}$
Indicators/operating means		
LED indication		switching state
Electrical specifications		
Electrical rating		10 - 30 V DC
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
Ambient conditions		
Ambient temperature		$-30 \dots 85\text{ }^{\circ}\text{C}$ ($-22 \dots 185\text{ }^{\circ}\text{F}$)
Mechanical specifications		
Connection type		Connector plug
Housing material		Polycarbonate
Sensing face		Polycarbonate
Degree of protection		IP67
Connector		
Threading		M12 x 1
Number of pins		4
Dimensions		
Width		16 mm
Depth		16 mm
Length		74.2 mm

Connection



Connection Assignment



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Connection Assignment

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

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