

# Magnetic field sensor

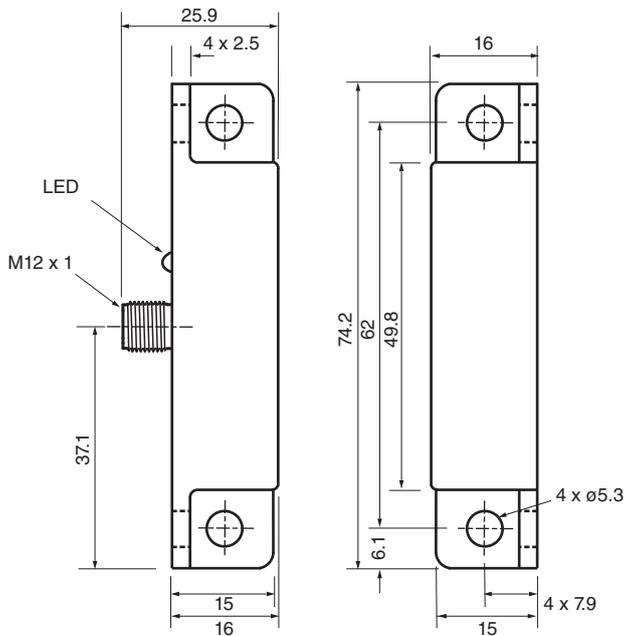
## 40FY26-33



- 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

Release date: 2025-07-02 Date of issue: 2025-07-02 Filename: 450031\_eng.pdf

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

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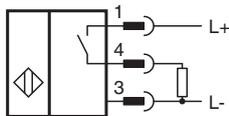
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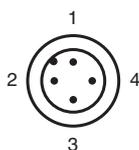
## Technical Data

Voltage drop	$U_d$	$\leq 2.5$ V DC
Repeat accuracy		+/- 3 %
Operating current	$I_L$	$\leq 200$ mA
Off-state current	$I_r$	$\leq 30$ mA
No-load supply current	$I_0$	$\leq 40$ mA
<b>Indicators/operating means</b>		
LED indication		switching state
<b>Electrical specifications</b>		
Electrical rating		10 - 30 V DC
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN IEC 60947-5-2
<b>Approvals and certificates</b>		
UL approval		cULus Listed Load Type: General Purpose Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC Output Switching Current: 200 mA
<b>Ambient conditions</b>		
Ambient temperature		-30 ... 85 °C (-22 ... 185 °F)
<b>Mechanical specifications</b>		
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 Assignment



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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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