

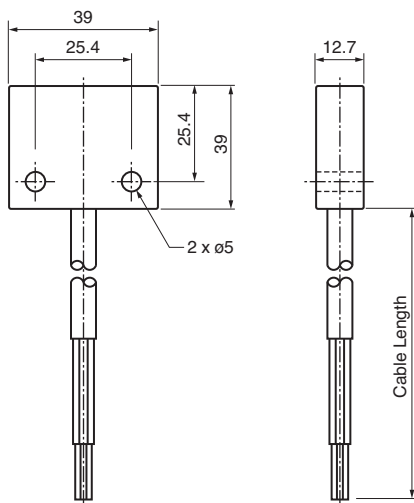


Magnetic field sensor 50FY41-V4A-12

- Hall Effect Sensor
- Sensing range 2.5 mm
- 4-wire DC



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP/NPN
Rated operating distance	s_n	2.5 mm at 0 mm offset, 1.3 mm at 3.5 mm offset, 0 mm at 4.0 mm offset
Installation		non-flush
Output polarity		DC
Output type		4-wire

Nominal ratings

Operating voltage	U_B	10 ... 12 V
Short-circuit protection		NO
Voltage drop	U_d	7 V @ 10 K load, 12 V supply
Operating current	I_L	0.5 mA
Current consumption		30 mA

Compliance with standards and directives

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

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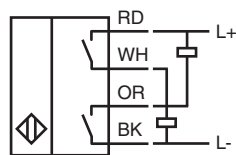
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PEPPERL+FUCHS

Technical Data

Standards	IEC 60947-5-2:2012 IEC 60947-5-3:2013 IEC 61236-3-1:2008	
Approvals and certificates		
CE conformity		2014/30/EU
UL approval		cULus Listed, General Purpose
Ambient conditions		
Ambient temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Connection type		cable
Housing material		316 stainless steel
Sensing face		316 stainless steel
Degree of protection		IP69K
Cable		
Cable diameter		6.4 mm ± 0.4 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		yellow
Number of cores		4
Core cross section		0.34 mm ²
Length	L	3.5 m
Dimensions		
Width		39 mm
Depth		12.7 mm
Length		39 mm
Note		Only approved for use with FYQLA1-140R-3 and KE5D2-6H/2R-S Use only with actuator 52FY31-V4A

Connection



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