

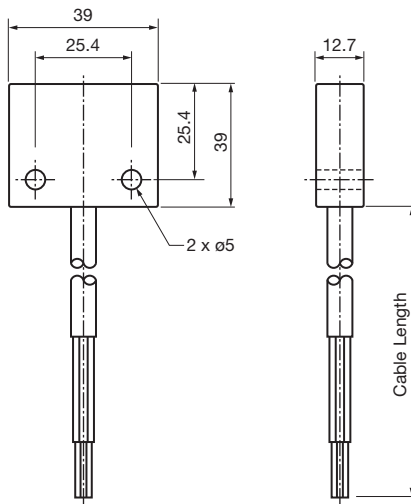


Magnetic field sensor 50FY41-V4A-50-KIT

- Hall Effect Sensor
- Sensing range 2.5 mm
- 4-wire DC
- Magnet and Hall Effect Sensor included in kit



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		
---------------------	--	--

Release date: 2022-07-13 Date of issue: 2022-07-13 Filename: 70120923_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

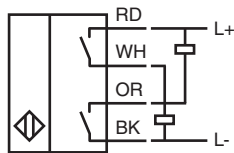
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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		cablc PVC , 15 m
Core cross section		0.34 mm²
Housing material		316 stainless steel
Sensing face		316 stainless steel
Degree of protection		IP69K
Note	Only approved for use with FYQLA1-140R-3 and KE5D2-6H/2R-S Use only with actuator 52FY31-V4A	

Connection



Release date: 2022-07-13 Date of issue: 2022-07-13 Filename: 70120923_eng.pdf