



Model Number

50FY41-12

Features

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

Accessories

52FY31

Technical Data

General specifications

Switching function	Normally open (NO)
Output type	PNP/NPN
Rated operating distance	s_n 2.5 mm @ 0 mm offset, 1.3 mm @ 4.4 mm offset, 0 mm @ 7.5 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		20 mA

Ambient conditions

Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
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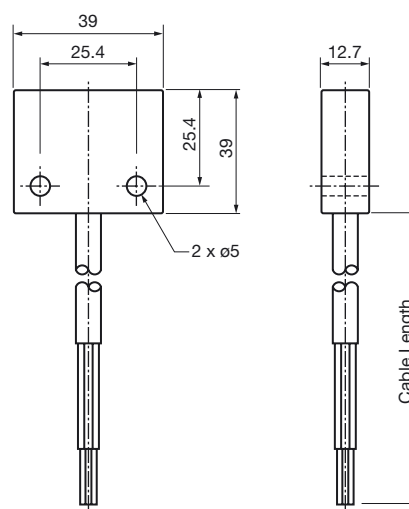
Mechanical specifications

Connection type	cable PVC , 4 m
Core cross-section	0.34 mm ²
Housing material	Polysulphone
Sensing face	Polysulphone
Degree of protection	IP67
Note	Only approved for use with FYQLA1-140R-3, KE5D2-6H/2R-S and KE5A5-6H/2R-S Use only with actuator 52FY31

Compliance with standards and directives

Standard conformity	EN 60947-5-2:2007
Standards	IEC 60947-5-2:2007

Dimensions



Electrical Connection

