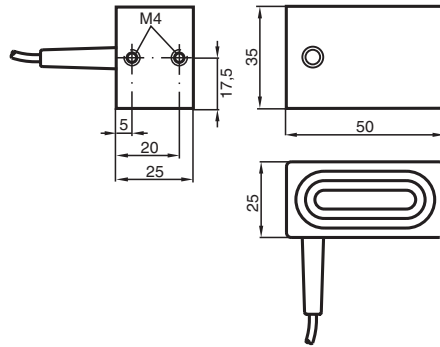


Inductive sensor

FJ7-A2-Y20193



Dimensions



Technical Data

General specifications		
Switching function		complementary
Output type		PNP
Rated operating distance	s_n	7 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 5.67 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.3
Reduction factor r_{304}		0.85
Output type		4-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 200 Hz
Hysteresis	H	typ. 3 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	≤ 20 ms
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Core cross section		0.5 mm ²

Release date: 2024-05-28 Date of issue: 2024-06-07 Filename: 020193_eng.pdf

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

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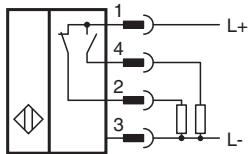
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PEPPERL+FUCHS

Technical Data

Housing material	brass, zinc plated
Sensing face	POM
Degree of protection	IP67
Dimensions	
Height	25 mm
Width	50 mm
Length	35 mm

Connection



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