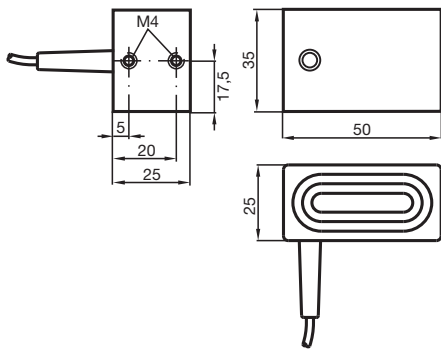


Inductive sensor FJ7-A2-Y20193



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

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

Release date: 2020-03-20 Date of issue: 2020-03-30 Filename: 020193_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Core cross-section		0.5 mm ²
Housing material		brass, zinc plated
Sensing face		POM
Degree of protection		IP67

Connection

