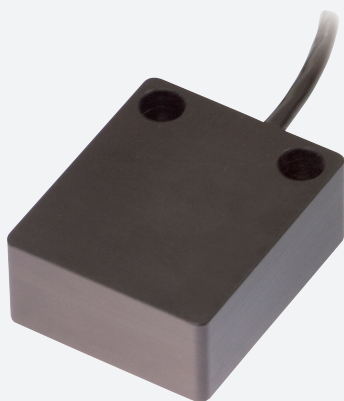




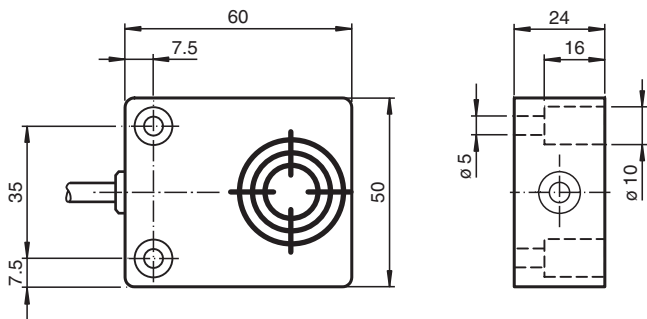
Inductive sensor

NJ20E-F34-E3-Y38055

■ Basic series



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	s _n	20 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 16.2 mm
Reduction factor r _{Al}		0.3
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.8
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 150 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected

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

Pepperl+Fuchs Group USA: +1 330 486 0001 Germany: +49 621 776 1111 Singapore: +65 6779 9091
www.pepperl-fuchs.com fa-info@us.pepperl-fuchs.com fa-info@de.pepperl-fuchs.com fa-info@sg.pepperl-fuchs.com



Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 2 \text{ V}$
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA
No-load supply current	I_0	$\leq 20 \text{ mA}$
Time delay before availability	t_v	$\leq 50 \text{ ms}$

Compliance with standards and directives

Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

Ambient conditions

Ambient temperature		-35 ... 120 °C (-31 ... 248 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Connection type		cable PUR , 2 m
Core cross-section		0.5 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67

Connection Assignment

