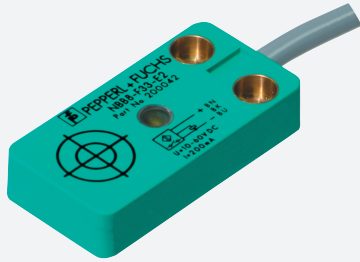


Inductive sensor

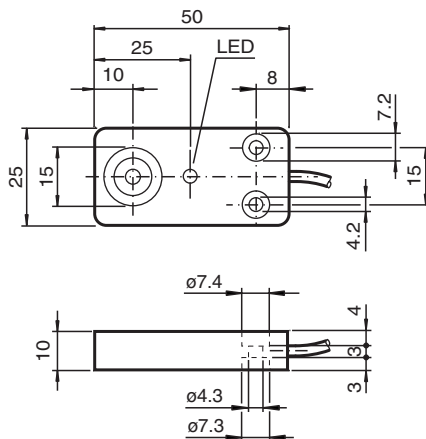
NBB8-F33-E2-3M-Y265018



- 8 mm flush
- 3-wire DC



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	8 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 6.48 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.6

Nominal ratings

Operating voltage	U_B	10 ... 60 V DC
Switching frequency	f	0 ... 350 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing

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

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PEPPERL+FUCHS

Technical Data

Voltage drop	U _d	≤ 3 V
Operating current	I _L	0 ... 200 mA
Off-state current	I _r	0 ... 0.1 mA
No-load supply current	I ₀	≤ 10 mA
Time delay before availability	t _v	≤ 50 ms
Switching state indicator	LED yellow	
Functional safety related parameters		
MTTF _d	1140 a	
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)	0 %	
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose	
Ambient conditions		
Ambient temperature	-35 ... 70 °C (-31 ... 158 °F)	
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		cable PVC , 3 m
Core cross-section	0.34 mm ²	
Housing material		PBT
Sensing face	PBT	
Degree of protection		IP67
Note	Tightening torque: 5 Nm	

Connection

