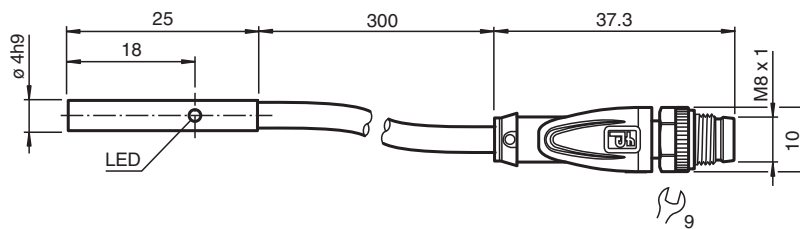


NBB1,5-4M25-E2-Y322927

- Basic series



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	S _n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	S _a	0 ... 1.215 mm
Reduction factor r _{Al}		0.46
Reduction factor r _{Cu}		0.41
Reduction factor r ₃₀₄		0.89
Reduction factor r _{Brass}		0.59
Output type		3-wire

Nominal ratings

Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	1 ... 15 %
Reverse polarity protection		reverse polarity protected

Release date: 2024-04-25 Date of issue: 2024-04-25 Filename: 322927_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

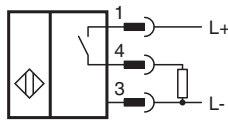
Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sq.pepperl-fuchs.com

Technical Data

Short-circuit protection		yes
Voltage drop	U _d	≤ 3 V
Operating current	I _L	0 ... 200 mA
Off-state current	I _r	0 ... 0.1 mA typ. 0.1 µA at 25 °C
No-load supply current	I ₀	≤ 10 mA
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		fixed cable with plug
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		POM
Degree of protection		IP67
Connector		
Threading		M8 x 1
Number of pins		3
Cable		
Cable diameter		3 mm - 0.2 mm
Bending radius		> 12 x cable diameter
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.14 mm ²
Length	L	0.3 m
Dimensions		
Length		25 mm
Diameter		4 mm

Connection



Connection Assignment



Release date: 2024-04-25 Date of issue: 2024-04-25 Filename: 322927_eng.pdf

Connection Assignment

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Mounting

