

Inductive sensor

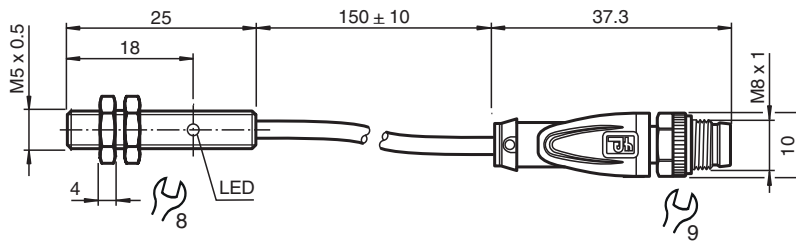
NBB0,8-5GM25-E0-PUR-150MM-V3



- 0.8 mm flush
- Fixed cable with quick disconnect plug



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type	NPN	
Rated operating distance	s_n	0.8 mm
Installation	flush	
Output polarity	DC	
Assured operating distance	s_a	0 ... 0.648 mm
Reduction factor r_{AI}	0.45	
Reduction factor r_{Cu}	0.4	
Reduction factor r_{304}	0.77	
Output type	3-wire	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection	reverse polarity protected	
Short-circuit protection	pulsing	
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 μ A at 25 °C
No-load supply current	I_0	≤ 10 mA
Switching state indicator	LED, yellow	

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

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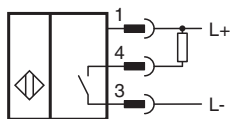
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PEPPERL+FUCHS

Technical Data

Functional safety related parameters		
MTTF _d		2140 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
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		PC
Degree of protection		IP67
Connector		
Threading		M8 x 1
Tightening torque		≤ 0.4 Nm
Number of pins		3
Cable		
Cable diameter		3 mm - 0.2 mm
Bending radius		> 12 x cable diameter
Material		PUR
Color		black
Number of cores		3
Core cross section		0.14 mm²
Length	L	150 mm
Dimensions		
Length		25 mm
Diameter		5 mm

Connection



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