

Inductive sensor

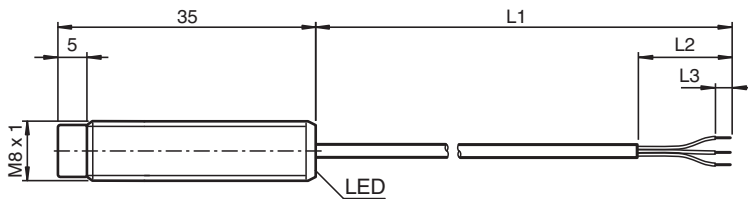
NBN2,5-8GM35-E1L-Y



- 2.5 mm non-flush
- Magnetic field resistant



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NPN
Rated operating distance	s_n	2.5 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 2.03 mm
Reduction factor r_{Al}		0.45
Reduction factor r_{Cu}		0.35
Reduction factor r_{304}		0.75
Output type		3-wire
Nominal ratings		
Nominal voltage	U_o	5 V
Operating voltage	U_B	4.75 ... 5.25 V
Switching frequency	f	0 ... 800 Hz
Reverse polarity protection		no
Short-circuit protection		no

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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	$\leq 1 \text{ V}$
Operating current	I_L	0 ... 40 mA
Off-state current	I_r	$\leq 50 \mu\text{A}$
No-load supply current	I_0	$\leq 10 \text{ mA}$
Switching state indicator		LED, red
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		10 ... 80 °C (50 ... 176 °F)
Mechanical specifications		
Connection type		cable
Housing material		brass, nickel-plated
Sensing face		LCP, black
Degree of protection		IP65
Cable		
Cable diameter		3.5 mm \pm 0.1 mm
Material		PVC
Color		black
Core cross section		0.14 mm ²
Length	L	L1 = 2 m \pm 25 mm L2 = 50 mm \pm 2 mm L3 = 5 mm stripped and tinned

Connection

