

Inductive sensor

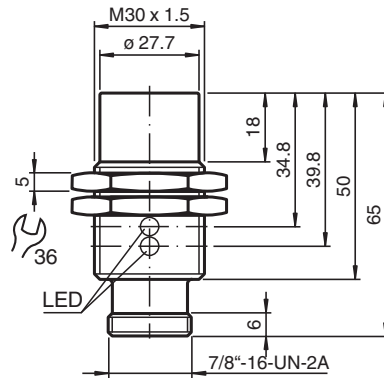
NBN25-30GM50-US-V93



- Basic series
- 25 mm non-flush
- 2-wire AC/DC



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	25 mm
Installation		non-flush
Output polarity		AC/DC
Reduction factor r_{Al}		0.47
Reduction factor r_{Cu}		0.44
Reduction factor r_{304}		0.77
Output type		3-wire
Nominal ratings		
Switching frequency	f	30 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		yes
Voltage drop	U_d	≤ 8 V
Rated operating current	I_e	4 ... 500 mA AC/DC

Release date: 2023-10-18 Date of issue: 2023-10-18 Filename: 198098_eng.pdf

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

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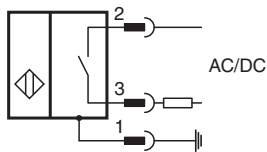
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 PEPPERL+FUCHS

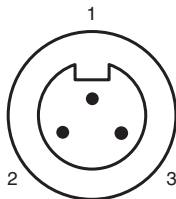
Technical Data

Off-state current	I_r	$\leq 0.8 \text{ mA}$
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Electrical specifications		
Rated operating voltage	U_e	20 ... 250 V AC/DC
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
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		Connector plug 7/8 inch-16 UN , 3-pin
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67

Connection



Connection Assignment




Wire colors

1	GN	(green)
2	BK	(black)
3	WH	(white)

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Accessories

	<p>V93-G-YE2M-STOOW</p>	<p>Female cordset, 7/8", 3-pin, STOOW cable</p>
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