

Inductive sensor

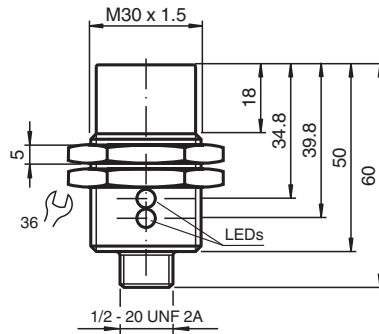
NBN25-30GM50-US-V12



- 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 at < 55 °C (131 °F) , 300 mA at 55 °C ... 70 °C (131 °F ... 158 °F)
Off-state current	I_r	≤ 0.8 mA
Operating voltage indicator	LED, green	
Switching state indicator	LED, yellow	

Electrical specifications

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

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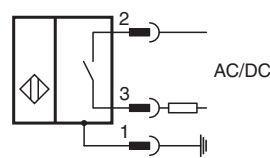
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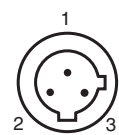
Technical Data

Rated operating voltage	U _e	20 ... 250 V AC/DC
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
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
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Connector		
Threading		1/2"-20 UN
Number of pins		3
Mass		125 g
Dimensions		
Length		60 mm
Diameter		30 mm

Connection



Connection Assignment



Wire colors		
1	GN	(green)
2	RD/BK	(red/black)
3	RD/WH	(red/white)