

Inductive sensor

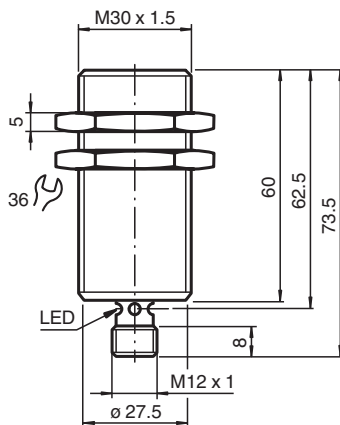
NEB22-30GM60-E2-V1



- 22 mm quasi flush
- Increased operating distance



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	22 mm
Installation		quasi flush
Output polarity		DC
Assured operating distance	s_a	0 ... 17.8 mm
Reduction factor r_{Al}		0.25
Reduction factor r_{Cu}		0.22
Reduction factor r_{304}		0.65
Output type		3-wire

Nominal ratings

Installation conditions		
A		6 mm
B		37 mm
C		66 mm
F		80 mm
Operating voltage	U_B	10 ... 30 V

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

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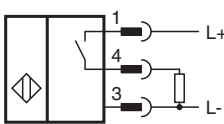
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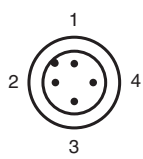
Technical Data

Switching frequency	f	0 ... 150 Hz
Hysteresis	H	≤ 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 5 V
Operating current	I _L	0 ... 200 mA
Off-state current	I _r	≤ 0.1 mA
No-load supply current	I ₀	≤ 10 mA
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		213 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		Connector plug M12 x 1 , 4-pin
Housing material		chromium plated brass
Sensing face		PBT
Degree of protection		IP67
Dimensions		
Length		73.5 mm
Diameter		30 mm

Connection



Connection Assignment



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Connection Assignment

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Installation

