

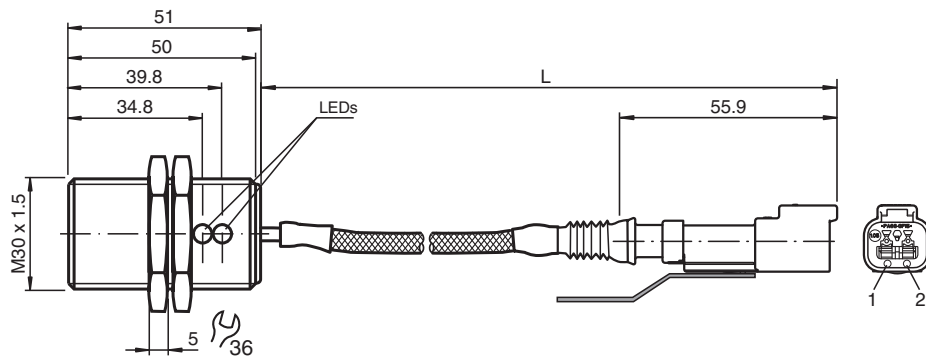
Inductive sensor

NBB15-30GM50-Z0-Y70183708

- Basic series
- 15 mm flush
- 2-wire DC



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	15 mm
Installation		flush
Output polarity		DC
Reduction factor r_{Al}		0.5
Reduction factor r_{Cu}		0.45
Reduction factor r_{304}		0.75
Output type		2-wire

Nominal ratings

Operating voltage	U_B	20 ... 30 V DC
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 ... 200 mA DC
Lowest operating current	I_m	4 mA
Off-state current	I_r	≤ 0.8 mA
Operating voltage indicator		LED, green

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

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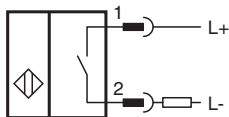
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PEPPERL+FUCHS

Technical Data

Switching state indicator	LED, yellow
Compliance with standards and directives	
Standard conformity	
Standards	EN IEC 60947-5-2
Approvals and certificates	
UL approval	cURus Recognized Load Type: General Purpose Circuitry: Class 2 Power Source Supply/Switching Voltage: 30 V DC Output Switching Current: 200 mA Further UL information see section "Additional Information"
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Connection type	fixed cable with plug
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67
Connector	
Number of pins	2
Connection assembly	Deutsch connector DT04-2P-CE04 Deutsch contact 1060-16-0644 Deutsch wedge W2P Deutsch retaining clip 1027-003-1200 Copat protective sleeve: 1/20392/87EY
Cable	
Cable diameter	4.3 mm ± 0.1 mm
Bending radius	> 15 x cable diameter
Material	PUR
Color	black
Number of cores	2
Core cross section	0.5 mm ²
Length	L 0.4 m
Cable protection	Panduit flexible conduit SE25P-MR8
Dimensions	
Length	50 mm
Diameter	30 mm

Connection Assignment



Additional Information

Additional UL Information

Conditions of Acceptability:

Suitability of the mounting means shall be determined in the end use application. The suitability of connection between supply connection and the end connector shall be determined in the end-use application.

The supply connections for these devices are intended for factory wiring only.

These devices shall be used within their recognized electrical ratings.

These proximity switches are intended to be powered by Listed Class 2 power supply or are located in a limited voltage / limited current circuit.