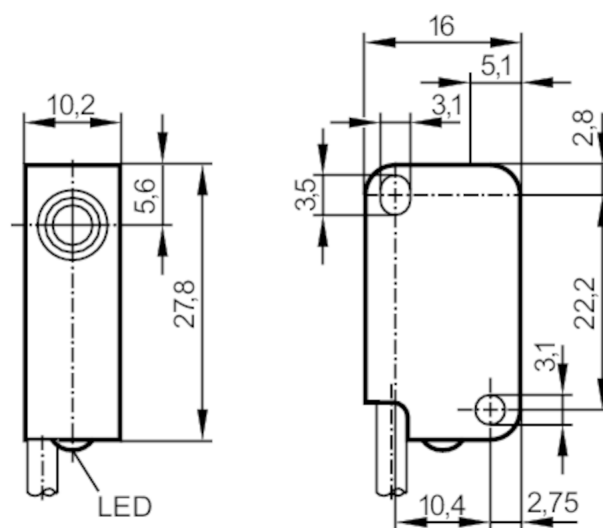




Inductive sensor

IS-3002-BPKG



Electrical data

Operating voltage	[V]	10...30 DC; ("supply class 2" according to UL)
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	2
Real sensing range S_r	[mm]	$2 \pm 10 \%$
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	3...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

IS5066



Inductive sensor

IS-3002-BPKG

Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]		2110
UL approval		Ta	-20...80 °C
		Enclosure type	Type 1
		voltage supply	Class 2
		File number UL	E174191

Mechanical data

Weight	[g]	45.2
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	28 x 10 x 16
Materials		PBT
Tightening torque	[Nm]	< 0.5; (with washer)

Displays / operating elements

Display	switching status	1 x LED, yellow
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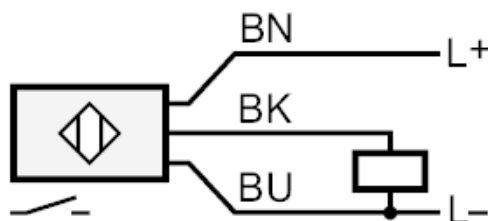
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection



Core colours :

BN = brown
BU = blue
BK = black