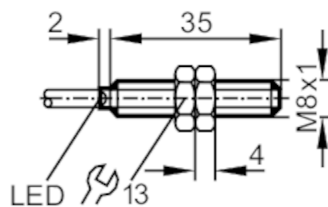


IE5373



Inductive sensor

IEB21,5-ARKG/0,5M



Electrical data

Operating voltage	[V]	10...30 DC; ("supply class 2" to cULus)
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.8
Minimum load current	[mA]	2
Max. leakage current	[mA]	0.4
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	1.5
Real sensing range S_r	[mm]	$1.5 \pm 10\%$
Operating distance	[mm]	0...1.2

Accuracy / deviations

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

Operating conditions

Ambient temperature	[°C]	0...60
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]	3004	
UL approval	Ta		0...60 °C
	Enclosure type		Type 1
	voltage supply		Class 2
	File number UL		E174191

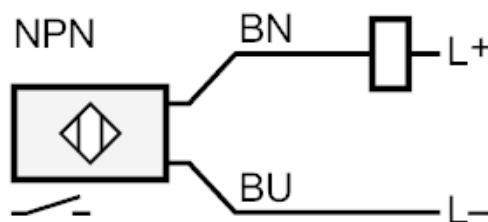
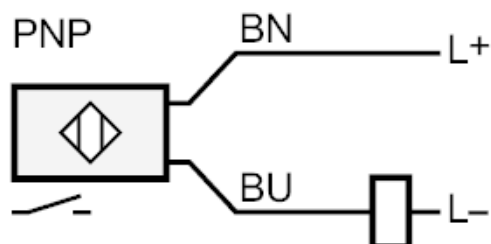
IE5373



Inductive sensor

IEB21,5-ARKG/0,5M

Mechanical data		
Weight	[g]	30.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 37
Thread designation		M8 x 1
Materials		brass white bronze coated; sensing face: LCP
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.5 m, PPU; 2 x 0.14 mm ²		
Connection		



Core colours :
BN = brown
BU = blue