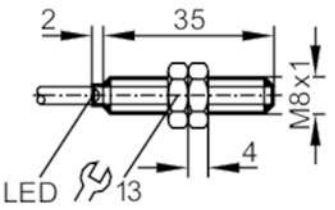
IE5373

Inductive sensor

IEB21,5-ARKG/0,5M



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	1.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 37
Electrical data		
Operating voltage	[V]	10...30 DC
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 Sr	[mm]	1.5 ± 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 Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	0...60
Protection		IP 67

IE5373

Inductive sensor

IEB21,5-ARKG/0,5M

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

Mechanical data		
Weight	[g]	25
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
Tightening torque	[Nm]	A = 5 mm: 1,5 Nm; B: 2 Nm

Displays / operating elements		
Display	switching status	1 x LED, yellow

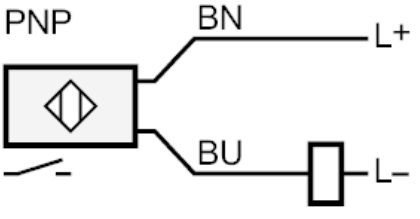
Accessories	
Items supplied	lock nuts: 2

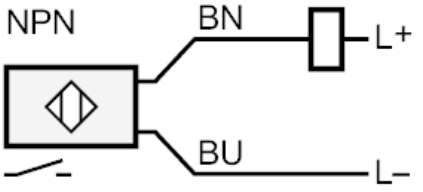
Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 0.5 m, PPU; 2 x 0.14 mm²

Connection





Core colours :
BN = brown
BU = blue

IE5373

Inductive sensor

IEB21,5-ARKG/0,5M

Diagrams and graphs

Installation

