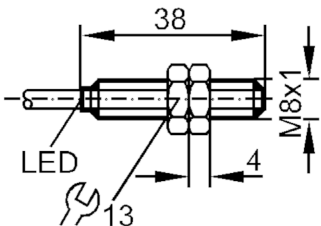




Inductive sensor

IEB3002BAPKG/3M/FH RT



Product characteristics		
Electrical design		PNP
Output function		normally closed
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 38
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %

IE5341



Inductive sensor

IEB3002BAPKG/3M/FH RT

Operating distance	[mm]	0...1.62
Accuracy / deviations		
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011	class B
MTTF	[years]	2804
Mechanical data		
Weight	[g]	81.5
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 38
Thread designation		M8 x 1
Materials		brass white bronze coated; LCP
Tightening torque	[Nm]	A = 5 mm: 1 Nm; B: 2 Nm
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

IE5341



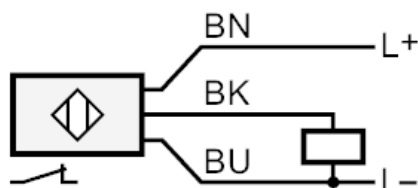
Inductive sensor

IEB3002BAPKG/3M/FH RT

Electrical connection

Cable: 3 m, PUR; flame-retardant (FRNC); 3 x 0.14 mm²

Connection



Core colours :
BN = brown
BU = blue
BK = black

Diagrams and graphs

Installation

