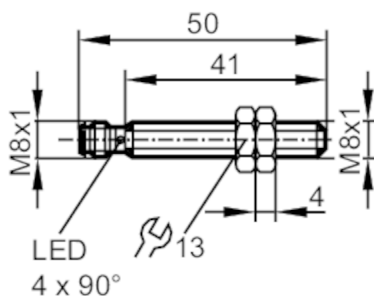




Inductive sensor

IEB3002BAPKG/AS-514-TPO/RT



Electrical data

Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
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]	250
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	2
Operating distance	[mm]	0...1.62

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...20

Operating conditions

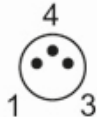
Ambient temperature	[°C]	-10...50
Protection		IP 67; (if screwed on)

IE5358



Inductive sensor

IEB3002BAPKG/AS-514-TPO/RT

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	2359
UL approval	Ta	-10...50 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	21
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Materials		brass white bronze coated; LCP
Displays / operating elements		
Display	switching status	4 x 90° LED, red
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M8		
		

IE5358



Inductive sensor

IEB3002BAPKG/AS-514-TPO/RT

Connection

