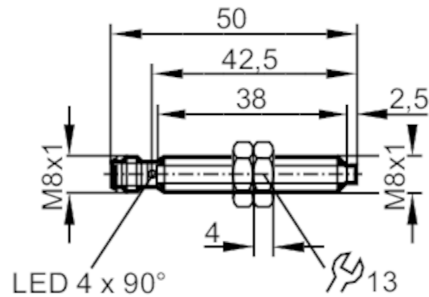


IE5292



Inductive sensor

IEB32,5-BPKG/V4A/AS



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 50

Electrical data

Operating voltage	[V]	10...36 DC; (to PELV)
Current consumption	[mA]	15; (24 V)
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]	1200
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	2.5
Real sensing range Sr	[mm]	2.5 ± 10 %
Operating distance	[mm]	0...2.02

Accuracy / deviations


Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...20
Switch point drift	[% of Sr]	-10...10

IE5292



Inductive sensor

IEB32,5-BPKG/V4A/AS

Operating conditions		
Ambient temperature	[°C]	0...80
Protection		IP 65; IP 67; (with ifm socket duly screwed on)
Tests / approvals		
EMC	EN 55011 emission	class B
	EN 60947-5-2	
	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
MTTF	[years]	2408
UL approval	Ta	0...80 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	18.3
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Materials		stainless steel (1.4404 / 316L); cover: LCP orange; lock nuts: stainless steel
Tightening torque	[Nm]	A = 5 mm: ≤ 2 Nm; B: ≤ 6 Nm
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M8		
		

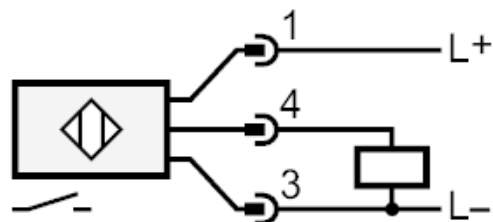
IE5292



Inductive sensor

IEB32,5-BPKG/V4A/AS

Connection



Diagrams and graphs

Installation

