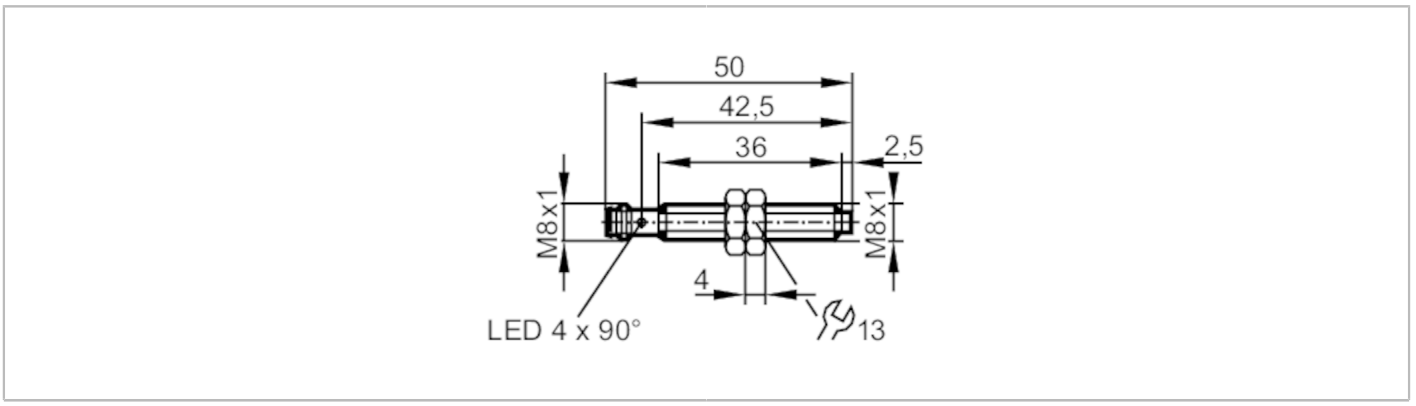
IE5339

Inductive sensor

IEB30,2-BPKG/AS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	0.2; (for target made of mild steel)
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 52
Electrical data		
Operating voltage	[V]	10...36 DC
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]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	0.2; (for target made of mild steel)
Real sensing range Sr	[mm]	0.2
Accuracy / deviations		
Hysteresis	[mm]	0.002...0.025
Switch point drift	[% of Sr]	> 0.04
Repeatability	[mm]	< 0.015
Operating conditions		
Ambient temperature	[°C]	-25...80

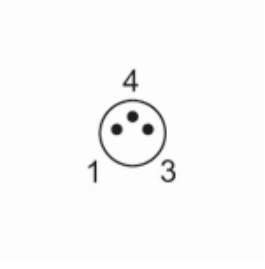
IE5339

Inductive sensor

IEB30,2-BPKG/AS

Protection		IP 65; (with ifm socket duly screwed on: IP 67)	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	1379	
UL approval		Ta	-25...80 °C
		Enclosure type	Type 1
		power supply	Limited Voltage/Current
		File number UL	E174191
Mechanical data			
Weight	[g]	18.8	
Housing		threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M8 x 1 / L = 52	
Thread designation		M8 x 1	
Materials		housing: brass white bronze coated; sensing face: PBT	
Displays / operating elements			
Display		switching status	4 x LED, red
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection - plug			

Connector: 1 x M8; coding: A



Connection

