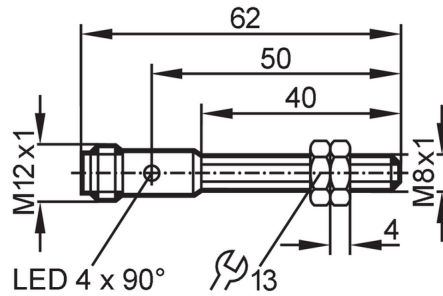


# IE5312



## Inductive sensor

IEK3002BBPKG/US-104



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 62
Electrical data		
Operating voltage	[V]	10...36 DC; (; to PELV)
Current consumption	[mA]	< 15
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]	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...1.6
Accuracy / deviations		
Correction factor		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
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67

# IE5312



## Inductive sensor

IEK3002BBPKG/US-104

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		1379
Mechanical data		
Weight [g]		23.1
Housing		threaded type
Mounting		flush mountable
Dimensions [mm]		M8 x 1 / L = 62
Thread designation		M8 x 1
Materials		housing: brass white bronze coated; sensing face: LCP
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4



### Connection

