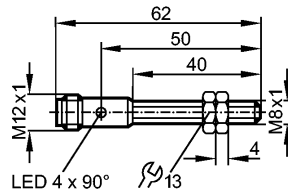


IE5312

IEK3002BBPKG/US-104-DPS

Inductive sensors



Made in Germany

Product characteristics

Inductive sensor	
Metal thread M8 x 1	
Connector	
Sensing range 2 mm; [f] flush mountable	

Electrical data

Electrical design		DC PNP
Operating voltage [V]		10...36 DC; to PELV
Current consumption [mA]		< 15
Protection class		III
Reverse polarity protection		yes

Outputs

Output function		normally open
Voltage drop [V]		< 2.5
Current rating [mA]		250
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency [Hz]		1000

Range

Sensing range [mm]		2
Operating distance [mm]		0...1.6

Accuracy / deviations

Correction factors		stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]		1...20
Switch-point drift [% of Sr]		-10...10

Environment

Ambient temperature [°C]		-25...70
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2 EN 55011: class B
MTTF [Years]		3491

Mechanical data

Mounting		flush mountable
Housing materials		Brass white bronze coated; active face: LCP
Weight [kg]		0.025

Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
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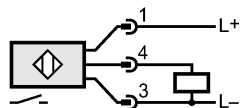
Inductive sensors

Electrical connection

Connection

M12 connector

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1