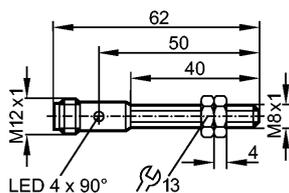


IE5312

IEK3002BBPKG/US-104-DPS

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor
Metal thread M8 x 1
Quick disconnect
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	Yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1000

Monitoring range

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

Accuracy / deviations

Correction factors	stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper 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

IE5312

IEK3002BBPKG/US-104-DPS

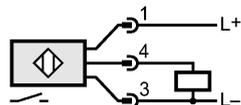
Inductive sensors

Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection	M12 connector
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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