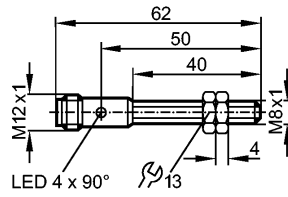


IE5257

IEK3002BBPKG/US-104-DPS

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M8 x 1
Quick disconnect
Increased sensing range
Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; cULus - Class 2 source required; to PELV
Current consumption [mA]	15 (24 V)
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
Real sensing range (Sr) [mm]	2 ± 10 %
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...15
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; LCP

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Weight [kg] 0.025

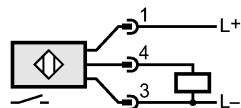
Displays / operating elements

Output status indication LED 4 x yellow

Electrical connection

Connection M12 connector

Wiring



Accessories

Accessories (included) 2 lock nuts

Remarks

Pack quantity [piece] 1