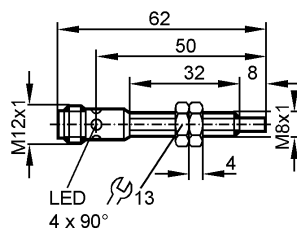


IE5331

IEK3004-BPKG/US-104-DPS/OELVER

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M8 x 1

Connector

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; "supply class 2" to cULus.
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	pulsed
Overload protection	yes
Switching frequency [Hz]	300

Range

Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

Accuracy / deviations

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

Environment

Ambient temperature [°C]	0...70
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	3491

IE5331

IEK3004-BPKG/US-104-DPS/OELVER

Inductive sensors

Mechanical data

Mounting	non-flush mountable
Housing materials	Brass white bronze coated; LCP
Weight [kg]	0.025

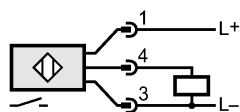
Displays / operating elements

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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