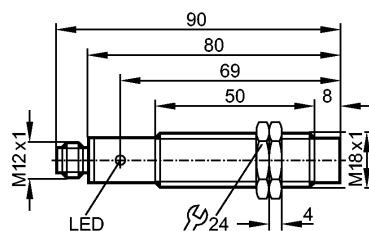


IG5602

IGA3008-BPKG/V4A/US-100-DPS

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor
Metal thread M18 x 1
Connector
Sensing range 8 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5

Current rating	
- Current rating (continuous) [mA]	250
- Current rating (peak) [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	300

Range

Sensing range [mm]	8
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.48

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	1853

Mechanical data

Mounting	non-flush mountable
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IG5602

IGA3008-BPKG/V4A/US-100-DPS

Inductive sensors

Housing materials	stainless steel 316Ti / 1.4571; active face: PBT (Pocan)
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Weight	[kg] 0.067
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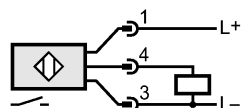
Displays / operating elements

Output status indication	LED yellow
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Electrical connection

Connection	M12 connector; Gold-plated contacts
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece] 1
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