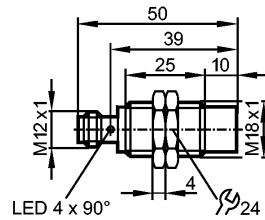


IGS205

IGB3012-BPKG/US-104

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor

Metal thread M18 x 1

Connector

Increased sensing range

Gold-plated contacts

Sensing range 12 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit proof	yes
Overload protection	yes
Switching frequency [Hz]	300

Range

Sensing range [mm]	12
Real sensing range (Sr) [mm]	12 ± 10 %
Operating distance [mm]	0...9.72

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]	3...15
Switch-point drift [% of Sr]	-10...10

Environment

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

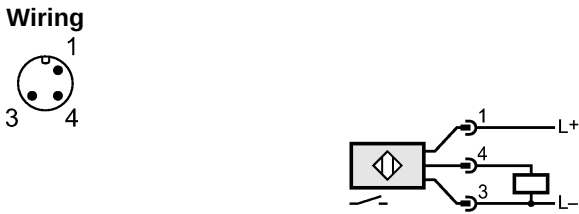
Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF [Years]	1528

IGS205

IGB3012-BPKG/US-104

Inductive sensors

Mechanical data		
Mounting		non-flush mountable
Housing materials		Brass white bronze coated; PBT; PEI; lock nuts: Brass
Weight	[kg]	0.045
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Electrical connection		
Connection		M12 connector
<div><div><div>Wiring</div><div></div></div></div>		
Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1