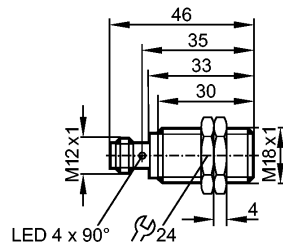


IGT203

IGB3008BBPKG/M/V4A/US-104-DPS

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor
Metal thread M18 x 1
Connector
Increased sensing range
Gold-plated contacts
Sensing range 8 mm; [f] flush mountable

Electrical data

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

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Leakage current [mA]	< 0.5
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	600

Range

Sensing range [mm]	8
Operating distance [mm]	0...6.48

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	1...20

Environment

Ambient temperature [°C]	0...100
Protection	IP 68 / IP 69K; "COP"

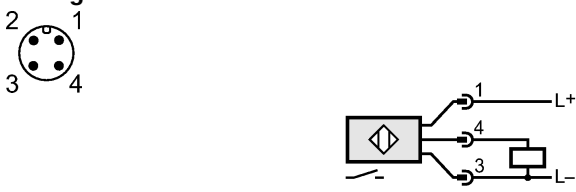
Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...1000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B
MTTF [Years]	1727

IGT203

IGB3008BBPKG/M/V4A/US-104-DPS

Inductive sensors

Mechanical data	
Mounting	flush mountable
Housing materials	threaded sleeve: stainless steel (316L); active face: PEEK (polyether ether ketone); lock nuts: high-grade stainless steel
Weight [kg]	0.045
Displays / operating elements	
Output status indication	LED yellow (4 x 90°)
Electrical connection	
Connection	M12 connector; Gold-plated contacts
Wiring	
	
Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity [piece]	1