

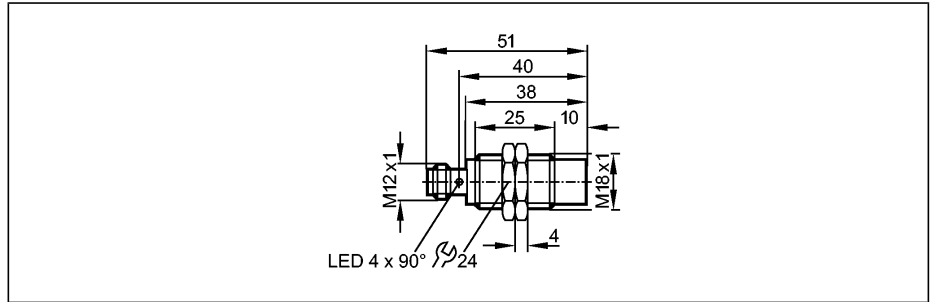
Inductive sensors

IGT201

IGB3012-APKG/M/V4A/US
Inductive sensor
Metal thread M18 x 1
Plug and socket

Increased sensing range
gold-plated contacts

Sensing range 12 mm [nf]
non-flush mountable



Made in Germany

Electrical design	
Output	
Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Real sensing range	[mm]
Operating distance	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% of Sr]
Switching frequency	[Hz]
Correction factors	
Ambient temperature	[°C]
Protection	
EMC	
Housing materials	
Function display	
Switching status	LED
Connection	
Weight	[kg]
Remarks	
Accessories (included)	

DC PNP normally closed	
Operating voltage	10...36 DC
Current rating	100
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 10 (24 V)
Real sensing range	12 ± 10 %
Operating distance	0...9.7
Switch-point drift	-10...10
Hysteresis	1...20
Switching frequency	300
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Ambient temperature	0...100
Protection	IP 68 / IP 69K ^{*)} , II
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
Housing materials	V4A (316S12); active face: PEEK (polyether ether ketone)
Function display	
Switching status	yellow (4 x 90°)
Connection	M12 connector; gold-plated contacts
Weight	0.043
Remarks	^{*)} "COP"
Accessories (included)	2 lock nuts

Wiring

