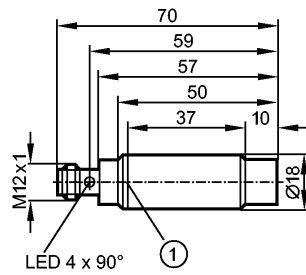


**IGT211**

IGGC012-ASKG/M/V4A/US-104-DRS

Inductive sensors



1: locating groove

Made in Germany



**Product characteristics**

Inductive sensor
Metal housing Ø 18 mm
Connector
Operation as 3-wire or 2-wire possible
Increased sensing range
Optical setting aid (2 LED)
Gold-plated contacts
Sensing range 12 mm; [nf] non-flush mountable

**Electrical data**

Electrical design	3-wire DC PNP; 2-wire DC PNP/NPN
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]	< 2.8
Minimum load current [mA]	2 *)
Leakage current [mA]	< 0.5 *)
Current rating [mA]	100
Short-circuit protection	pulsed
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. 0.5 / Cu approx. 0.4
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

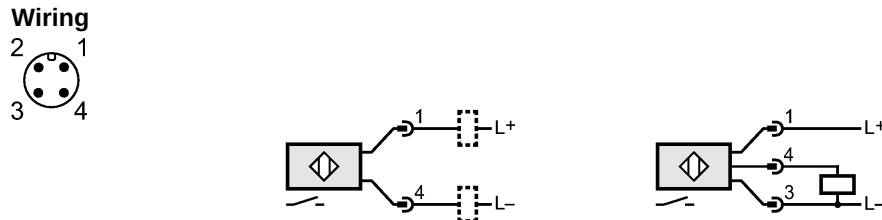
**Environment**

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

## IGT211

IGGC012-ASKG/M/V4A/US-104-DRS

Inductive sensors

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]	1359
Mechanical data		
Mounting		non-flush mountable
Housing materials		stainless steel (316L); active face: PEEK (polyether ether ketone)
Weight	[kg]	0.043
Displays / operating elements		
Output status indication	LED	yellow
Setting aid	LED	Red
Electrical connection		
Connection		M12 connector; Gold-plated contacts
<b>Wiring</b> 		
Remarks		
Remarks		suitable for PLC type 1 according to IEC 61131-2 *) only in 2-wire operation
Pack quantity	[piece]	1