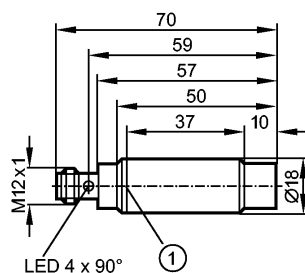


IGT211

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

Inductive sensors



1: locating groove



Product characteristics

Inductive sensor
Metal housing Ø 18 mm
Quick disconnect
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; only in 2-wire operation
Leakage current [mA]	< 0.5; only in 2-wire operation
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	300

Monitoring 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 / aluminium 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

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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
	EN 61000-4-4 Burst:	2 kV
	EN 61000-4-6 HF conducted:	10 V
	EN 55011:	class B

MTTF	[Years]	1359
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Mechanical data

Mounting	non-flush mountable	
Housing materials	stainless steel (316L); active face: PEEK (polyether ether ketone)	
Weight	[kg]	0.043

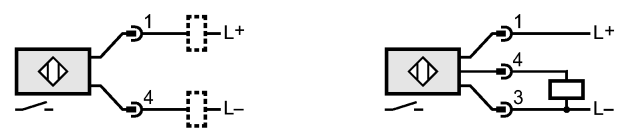
Displays / operating elements

Output status indication	LED	yellow
Setting aid	LED	red

Electrical connection

Connection	M12 connector; gold-plated contacts	
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Wiring



Remarks

Remarks	suitable for PLC type 1 according to IEC 61131-2	
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Pack quantity	[piece]	1
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