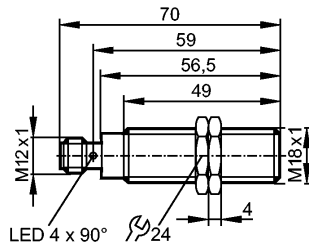


**IGC210**

IGKC008BASKG/M/US-104-DRS/2LED

Inductive sensors



**Product characteristics**

Inductive sensor
Metal thread M18 x 1
Quick disconnect
Operation as 3-wire or 2-wire possible
Increased sensing range
Optical setting aid (2 LED)
gold-plated contacts
Sensing range 8 mm; [f] flush mountable

**Electrical data**

Electrical design	3-wire DC PNP; 2-wire DC PNP/NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	12 (24 V)
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.8
Minimum load current [mA]	4
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]	400

**Monitoring range**

Sensing range [mm]	8
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

**Environment**

Ambient temperature [°C]	-25...70
Protection	IP 68; "Coolant"

**Tests / approvals**

**IGC210**

IGKC008BASKG/M/US-104-DRS/2LED

**Inductive sensors**

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]	1364

**Mechanical data**

Mounting	flush mountable
Housing materials	housing: brass white bronze coated; active face: ceramics
Weight	[kg] 0.083

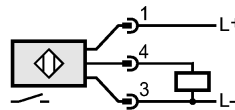
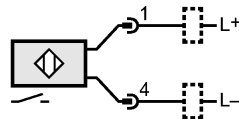
**Displays / operating elements**

Output status indication	LED	yellow
Setting aid	LED	red

**Electrical connection**

Connection	M12 connector; gold-plated contacts
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**Wiring**



**Accessories**

Accessories (included)	2 lock nuts
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**Remarks**

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