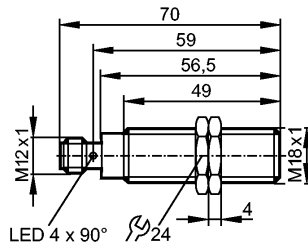


IGC211

IGK3005-BPKG/M/US-104-DPS/K0

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M18 x 1
Quick disconnect
Ferrous only
aluminum chip immune
gold-plated contacts
Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC; cULus - Class 2 source required
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	25

Monitoring range

Sensing range [mm]	5
Real sensing range (Sr) [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

Environment

Ambient temperature [°C]	0...60
Protection	IP 68; "Coolant"

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]	1514
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Mechanical data

Mounting	flush mountable
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IGC211

IGK3005-BPKG/M/US-104-DPS/K0

Inductive sensors

Housing materials	housing: brass white bronze coated; active face: stainless steel (303S22)
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Weight	[kg] 0.064
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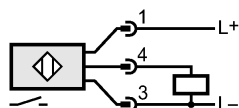
Displays / operating elements

Output status indication	LED yellow (4 x 90°)
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Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece] 1
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