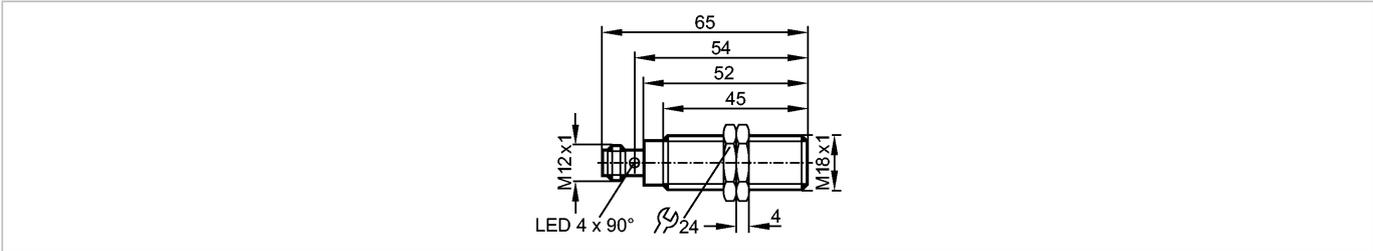


IGC232

IGK3005-BPKG/M/K1/US-104-DPS

Inductive sensors



Made in Germany

Product characteristics

Inductive sensor
Metal thread M18 x 1
Connector
Electromagnetic-field immune
Gold-plated contacts
Correction factor = 1
Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC *)
Current consumption [mA]	20
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	2000

Range

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

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 1 / brass approx. 1 / aluminium approx. 1 / copper approx. 1
Switch-point drift [% of Sr]	-10...10

Environment

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

Tests / approvals

MTTF [Years]	1975
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Mechanical data

Mounting	flush mountable
Housing materials	housing: stainless steel (316L); active face: LCP
Weight [kg]	0.053

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Inductive sensors

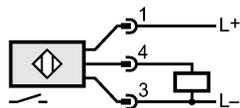
Displays / operating elements

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

Remarks	*) cULus - Class 2 source required
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Pack quantity	[piece]	1
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