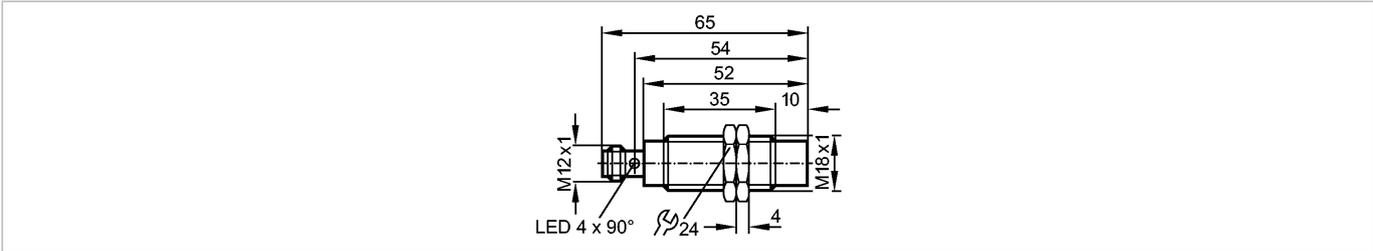


IGC233

IGK3012-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 12 mm; [nf] non-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
Leakage current [mA]		< 0.1
Current rating [mA]		200
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency [Hz]		2000

Range

Sensing range [mm]		12
Real sensing range (Sr) [mm]		12 ± 10 %
Operating distance [mm]		0...9.7

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		non-flush mountable
Housing materials		housing: stainless steel (316L); active face: LCP

IGC233

IGK3012-BPKG/M/K1/US-104-DPS

Inductive sensors

Weight	[kg]	0.05
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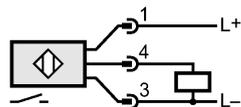
Displays / operating elements

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

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