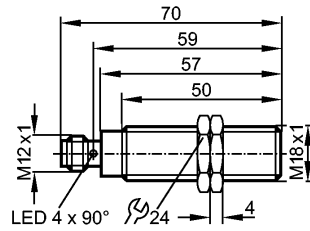


**IGT247**

IGK3005-BPKG/AM/US-104-DPS

**Inductive sensors**



Made in Germany



**Product characteristics**

Inductive sensor
Metal thread M18 x 1
Connector
Full metal housing
Gold-plated contacts
Sensing range 5 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 20
Protection class	III
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Leakage current [mA]	< 0.1
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	100

**Range**

Sensing range [mm]	5
Operating distance [mm]	0...4.05

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.6 / Al approx. 0.5 / Cu approx. 0.3
Hysteresis [% of Sr]	1...20

**Environment**

Pressure rating [bar]	100; *)
Ambient temperature [°C]	0...100
Protection	IP 68 / IP 69K

**Tests / approvals**

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...2000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011 (Emission): class B
Impact resistance	DIN EN 60068-2-75 Ehc: 1 J

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**Inductive sensors**

MTTF	[Years]	1606
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**Mechanical data**

Mounting	flush mountable	
Housing materials	housing: stainless steel 316L / 1.4404; active face: stainless steel 316L / 1.4404; lock nuts: stainless steel 316L / 1.4404	
Weight	[kg]	0.057

**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	*) sensing face	
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Pack quantity	[piece]	1
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