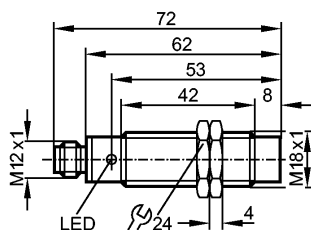


**IG5841**

IGK3012-BPKG/US-100-DPS

Inductive sensors



**Product characteristics**

Inductive sensor
Metal thread M18 x 1
Quick disconnect
Increased sensing range
Sensing range 12 mm; [nf] non-flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	300

**Monitoring 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. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2	
Hysteresis [% of Sr]	3...15	
Switch-point drift [% of Sr]	-10...10	

**Environment**

Ambient temperature [°C]	-25...80
Protection	IP 67

**Tests / approvals**

EMC	EN 60947-5-2	class B
	EN 55011:	
MTTF [Years]	1853	

**Mechanical data**

Mounting	non-flush mountable
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**IG5841**

IGK3012-BPKG/US-100-DPS

**Inductive sensors**

Housing materials	brass white bronze coated; active face: PBT (Pocan) uncolored
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Weight	[kg]	0.061
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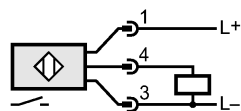
**Displays / operating elements**

Output status indication	LED	yellow
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**Electrical connection**

Connection	M12 connector
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**Wiring**



**Accessories**

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

Pack quantity	[piece]	1
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