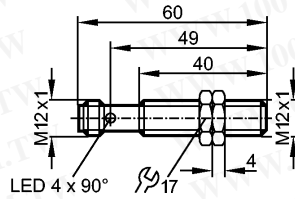




**IF5775**

IFK3004BBPKG/M/US-104-DPS



Made in Germany



**Product characteristics**

Inductive sensor
Metal thread M12 x 1
Quick disconnect
Increased sensing range
gold-plated contacts
Sensing range 4 mm; [f] 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]	200
Short-circuit protection	Yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	700

**Monitoring range**

Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.5 / Cu approx. 0.4
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

**Environment**

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

**Tests / approvals**

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	1727

**Mechanical data**

Mounting	flush mountable
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**IF5775**

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Housing materials | housing: brass white bronze coated; active face: LCP uncolored

Weight [kg] | 0.029

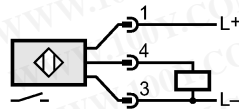
**Displays / operating elements**

Output status indication LED | yellow

**Electrical connection**

Connection | M12 connector; gold-plated contacts

**Wiring**



**Accessories**

Accessories (included) | 2 lock nuts

**Remarks**

Pack quantity [piece] | 1