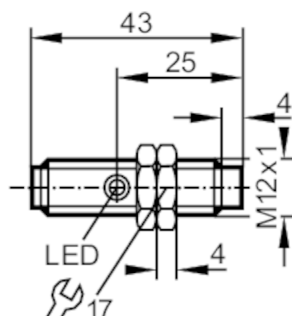


IF5764



Inductive sensor

IFB3004-BPKG/US-100-DPS RT



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	125; (150 (...50 °C))
Switching frequency DC	[Hz]	1500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

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

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	2531	

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Mechanical data

Weight	[g]	26.4
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 43
Thread designation		M12 x 1
Materials		brass nickel-plated; PC

Displays / operating elements

Display	switching status	1 x LED, red
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Accessories

Accessories (supplied)	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12



Connection

