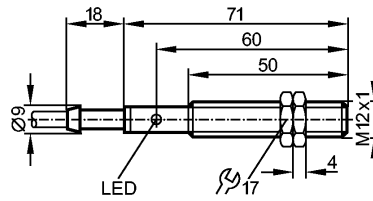


IF5800

IF-3004-BPKG

Inductive sensors



Product characteristics

Inductive sensor
Plastic thread M12 x 1
Cable
Sensing range 4 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]	400

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. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

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

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	945

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.086

Displays / operating elements

IF5800

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Inductive sensors

Output status indication LED red

Electrical connection

Connection PVC cable / 2 m; 3 x 0.34 mm²

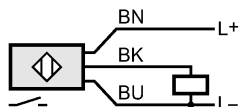
Wiring

Core colors

BN brown

BU blue

BK black



Accessories

Accessories (included) 2 lock nuts

Remarks

Pack quantity [piece] 1