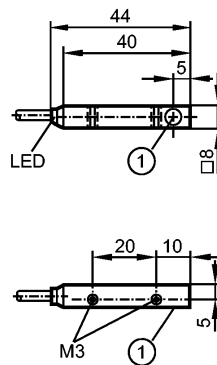


IL5002

ILA3002-BPKG/OBEN/PH RT

Inductive sensors



1: sensing face



Product characteristics

Inductive sensor
Rectangular Metal
Cable
Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	III
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]	2000

Monitoring range

Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...70
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	3449

Mechanical data



IL5002

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Inductive sensors

Mounting	flush mountable
Housing materials	brass white bronze coated; active face: LCP
Tightening torque [Nm]	1 (For an insertion depth of at least 5 mm)
Weight [kg]	0.045

Displays / operating elements

Output status indication	LED	red
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Electrical connection

Connection	PUR cable / 2 m; 3 x 0.14 mm ²
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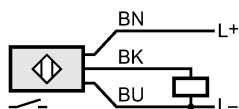
Wiring

Core colors

BN brown

BU blue

BK black



Remarks

Pack quantity	[piece]	1
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