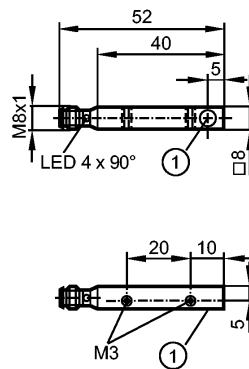


IL5004

ILA3002-BPKG/OBEN/AS-514TPS RT

Inductive sensors



1: sensing face



Product characteristics

Inductive sensor	
Rectangular Metal	
Quick disconnect	
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]		< 1.6
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. 0.4 / 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...70
Protection		IP 65

Tests / approvals

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

Mechanical data

IL5004

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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]	0.015

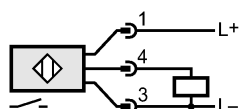
Displays / operating elements

Output status indication	LED	red
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Electrical connection

Connection	M8 connector	
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Wiring



Remarks

Pack quantity	[piece]	1
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