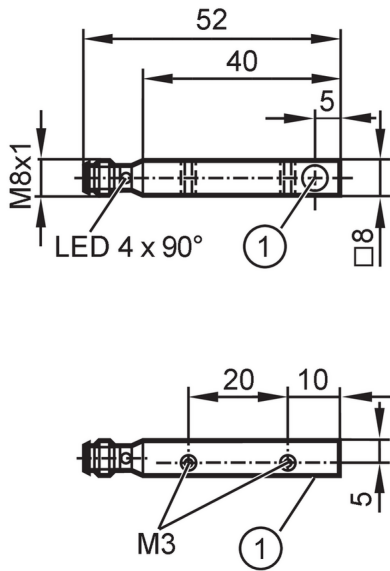




Inductive sensor

ILA3002-APKG/OBEN/AS-514TPO RT



1 sensing face



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	2
Housing	rectangular
Dimensions [mm]	40 x 8 x 8

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 closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	2
Real sensing range S_r [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.6

IL5012



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Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...15	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		°C	-25...70
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	3523	
UL approval	Ta		-25...70 °C
	Enclosure type		Type 1
	voltage supply		Limited Voltage/Current
	File number UL		E174191
Mechanical data			
Weight	[g]	13.2	
Housing	rectangular		
Mounting	flush mountable		
Dimensions	[mm]	40 x 8 x 8	
Material	housing: brass white bronze coated; sensing face: LCP		
Tightening torque	[Nm]	1; (insertion depth: > 5 mm)	
Displays / operating elements			
Display	Switching status		1 x LED, red
Remarks			
Pack quantity	1 pcs.		

Electrical connection - plug

Connector: 1 x M8; coding: A



Connection

