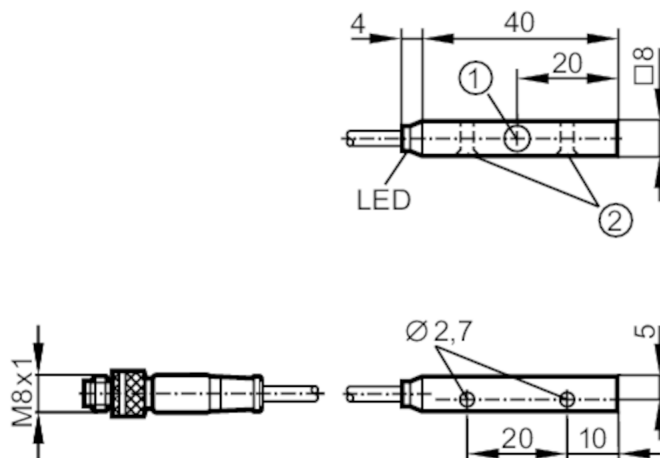




Inductive sensor

ILA3002-BPKG/MITTIG/0,31M/ASRT



- 1 Sensing face
2 countersink M2.5



Product characteristics

Electrical design	PNP
Output function	normally open
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
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]	250
Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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



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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 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	
MTTF	[years]	3449
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	power supply	Limited Voltage/Current
	File number UL	E174191
Mechanical data		
Weight	[g]	23.4
Housing	rectangular	
Mounting	flush mountable	
Dimensions	[mm]	40 x 8 x 8
Materials	brass white bronze coated; sensing face: LCP	
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Items supplied	countersunk screws: 2 x (M2,5 x 12 mm)	
Remarks		
Remarks	limited voltage requirements to UL 508: electrically isolated operating voltage protected by an overcurrent device	
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.31 m, PUR / PVC		
Connector: 1 x M8; coding: A; Locking: knurled nut, rotatable		
		





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Connection

