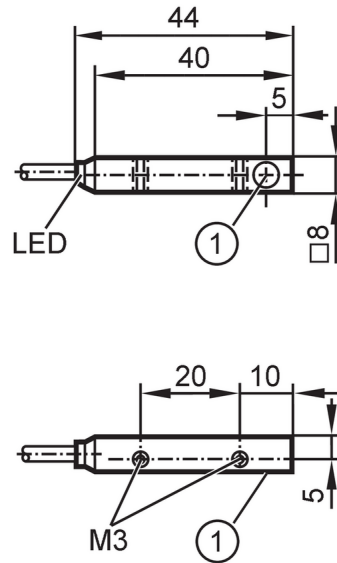


IL5002



Inductive sensor

ILA3002-BPKG/OBEN/PH RT



1 sensing face



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; (24 V)
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		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

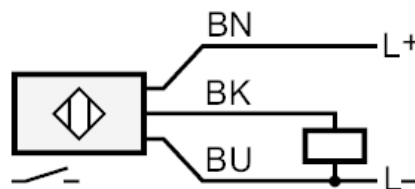
IL5002



Inductive sensor

ILA3002-BPKG/OBEN/PH RT

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	
MTTF [years]	3449	
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	File number UL	E174191
Mechanical data		
Weight [g]	42	
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		
Cable: 2 m, PUR; 3 x 0.14 mm ²		
Connection		



Core colors :
BN = brown
BU = blue
BK = black