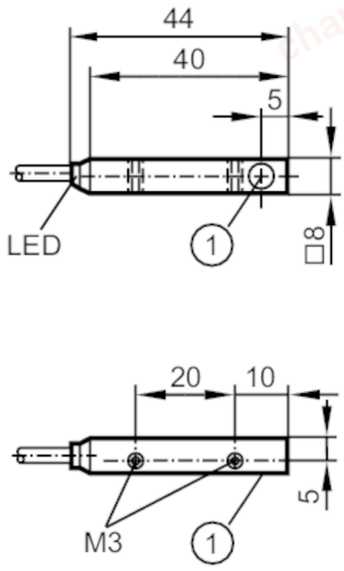
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IL5018

Inductive sensor

ILA3002-APKG/OBEN/3M/PH 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		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %

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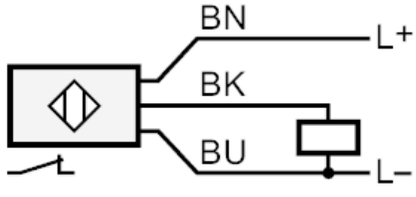
Inductive sensor

ILA3002-APKG/OBEN/3M/PH RT

Operating distance	[mm]	0...1.62
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]	3523
Mechanical data		
Weight	[g]	56.3
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 8 x 8
Materials		brass white bronze coated; 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: 3 m, PUR; 3 x 0.14 mm²

Connection



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