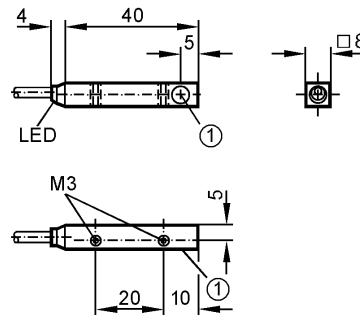


IL5002

ILA3002-BPKG/OBEN/PH RT

Inductive sensors



1: sensing face

Made in Germany



Product characteristics

Inductive sensor

Rectangular Metal

Cable

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]	< 2.5
Current rating [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	2000

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. 0.5 / Al approx. 0.4 / Cu approx. 0.3
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
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IL5002

ILA3002-BPKG/OBEN/PH RT

Inductive sensors

MTTF	[Years]	3449
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Mechanical data

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] 0.045

Displays / operating elements

Output status indication	LED	Red
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Electrical connection

Connection	PUR cable / 2 m; 3 x 0.14 mm ²
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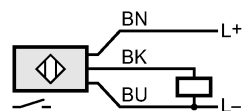
Wiring

Core colours

BN brown

BU blue

BK black



Remarks

Pack quantity	[piece]	1
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