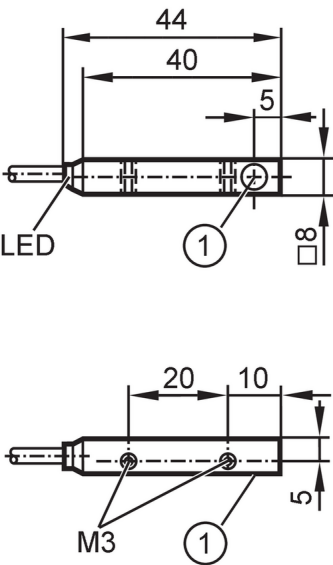




Inductive sensor

ILA32,5-BPKG/OBEN/PH RT



1 sensing face



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2.5
Housing		rectangular
Dimensions	[mm]	40 x 8 x 8
Electrical data		
Operating voltage	[V]	10...36 DC; (limited voltage requirements to UL 508: electrically isolated operating voltage protected by an overcurrent device)
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]	2.5
Real sensing range Sr	[mm]	2.5 ± 10 %
Operating distance	[mm]	0...2.02

IL5020



Inductive sensor

ILA32,5-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]	48.9
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
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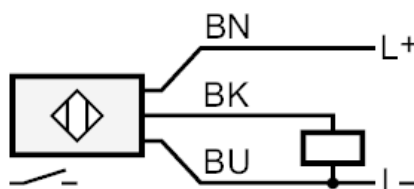
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm²

Connection



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