

IG500A

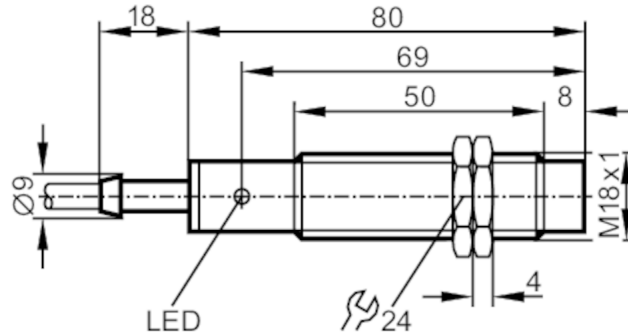


Inductive sensor

IGA3008-BPKG/55V/3D

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Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 80

Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
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]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

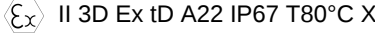
Sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5

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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-20...60
Note on ambient temperature		when used outside the hazardous area: -30...80 °C
Protection		IP 67
Tests / approvals		
ATEX marking		
EMC		EN 60947-5-2
MTTF	[years]	1719
Mechanical data		
Weight	[g]	0.17
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 80
Thread designation		M18 x 1
Materials		brass white bronze coated; sensing face: PBT; end cap: TPE-U
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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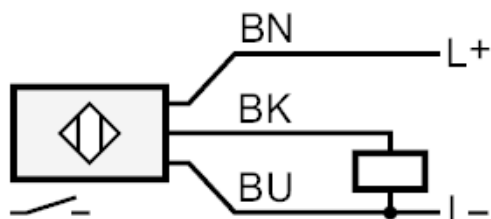
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



Core colours :

BN = brown
BU = blue
BK = black

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