

IG500A



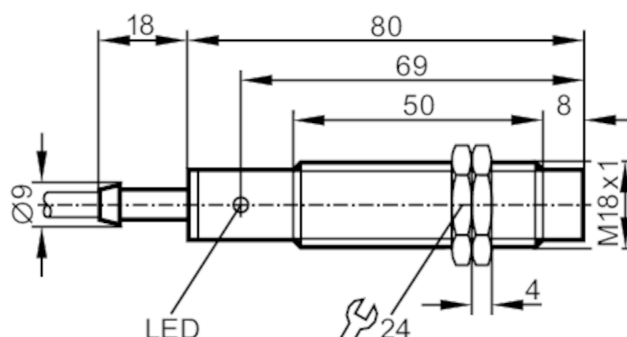
Inductive sensor

IGA3008-BPKG/55V/3D

Article no longer available - archive entry

Alternative articles: IG513A

When selecting an alternative article and accessories please note that technical data may differ!



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	yes (non-latching)
Overload protection	yes

Monitoring range

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 / aluminum: 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		 II 3D Ex tD A22 IP67 T80°C X
EMC		EN 60947-5-2
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
Material		brass white bronze coated; sensing face: PBT; end cap: TPE-U
Displays / operating elements		
Display		Switching status 1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.5 mm²		
Connection		



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