

IG506A



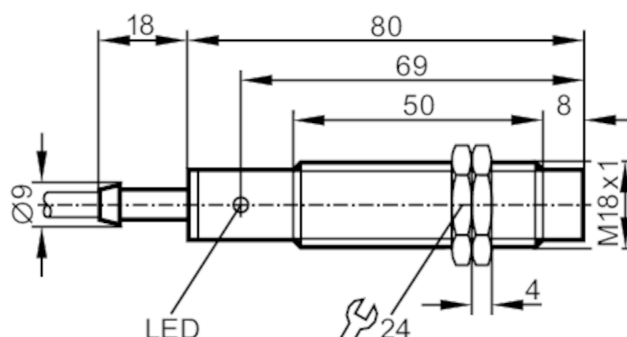
Inductive sensor

IGA2008-FRKG/PH/3D

Article no longer available - archive entry

Alternative articles: IG515A

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



Product characteristics

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

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.5
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

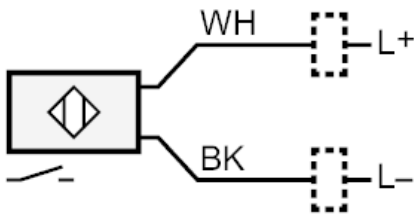
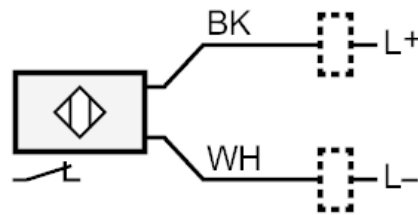
Sensing range [mm]	8
Real sensing range Sr [mm]	$8 \pm 10 \%$
Operating distance [mm]	0...6.5

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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
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] 0.149
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		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; 2 x 0.5 mm²		
Connection		
 		
BK = WH = Core colours : black white		