

IG506A



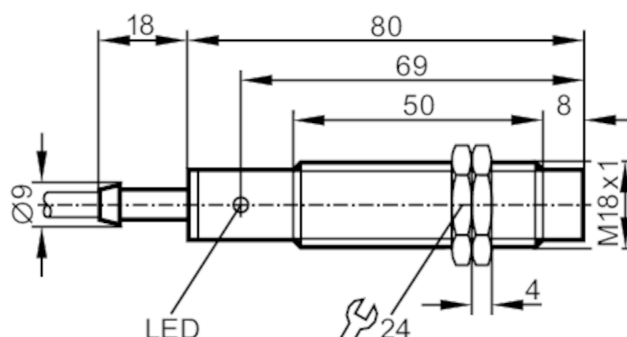
Inductive sensor

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 / 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 / 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	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

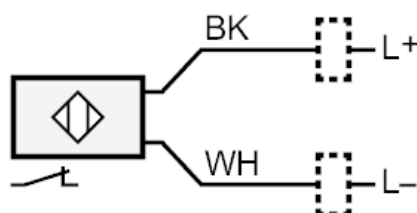
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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-20...60
Protection	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	
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, PUR; 2 x 0.5 mm²		
Connection		



Core colors :
 BK = black
 WH = white