

# IG6049



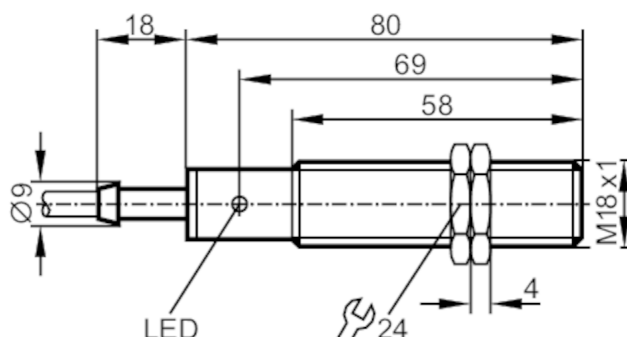
## Inductive sensor

IG-3008-APKG/8,50M

Article no longer available - archive entry

Alternative articles: IG5349

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



### Product characteristics

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

### Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

### Outputs

Electrical design	PNP
Output function	normally closed
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

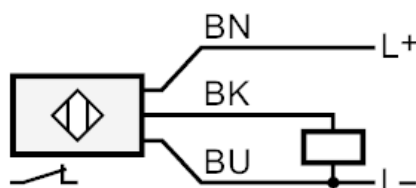
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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1844
Mechanical data		
Weight	[g]	0.41
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 80
Thread designation		M18 x 1
Material		PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 8.5 m, PVC; 3 x 0.5 mm <sup>2</sup>		
Connection		



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