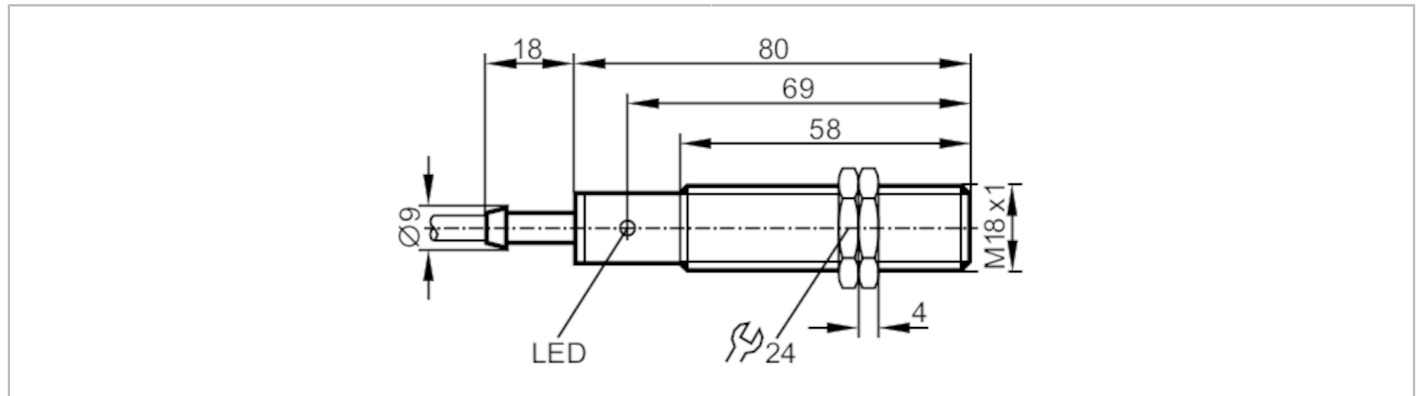


IG5502



Inductive sensor

IGA3005-BPKG/V4A/6M



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 open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05
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]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
		EN 55011
MTTF	[years]	1884
		class B

IG5502



Inductive sensor

IGA3005-BPKG/V4A/6M

Mechanical data	
Weight [g]	346.2
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M18 x 1 / L = 80
Thread designation	M18 x 1
Materials	stainless steel (1.4571/316Ti); PBT

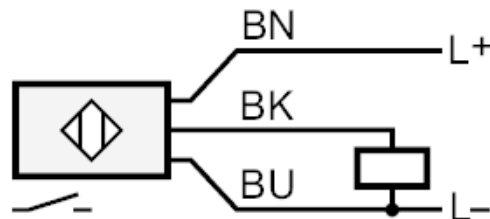
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 6 m, PVC; 3 x 0.5 mm ²	

Connection



Core colours :

- BK = black
- BN = brown
- BU = blue