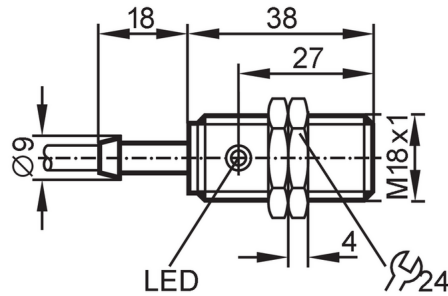


# IG5246



## Inductive sensor

IGB3005-APOG



Product characteristics	
Electrical design	PNP
Output function	normally closed
Sensing range [mm]	5
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 38

Electrical data	
Operating voltage [V]	18...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	no

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]	125; (150 (...50 °C))
Switching frequency DC [Hz]	500
Short-circuit protection	no
Overload protection	no

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

# IG5246



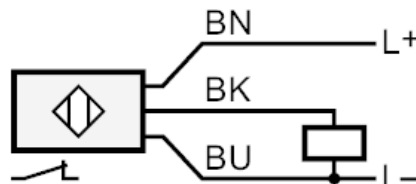
## Inductive sensor

IGB3005-APOG

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		3077
Mechanical data		
Weight [g]		137.8
Housing		threaded type
Mounting		flush mountable
Dimensions [mm]		M18 x 1 / L = 38
Thread designation		M18 x 1
Materials		housing: brass white bronze coated; sensing face: PC
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 mm<sup>2</sup>

### Connection



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