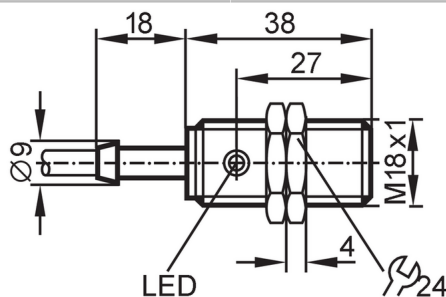


IG5246



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

Monitoring range

Sensing range [mm]	5
Real sensing range S_r [mm]	$5 \pm 10 \%$
Operating distance [mm]	0...4.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of S_r]	1...15
Switch-point drift [% of S_r]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

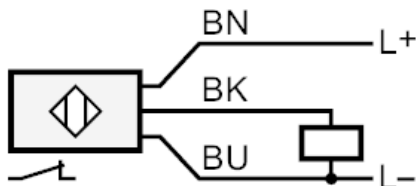
IG5246



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
Material		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 mm²		
Connection		



BN = brown
BU = blue
BK = black

Core colors :