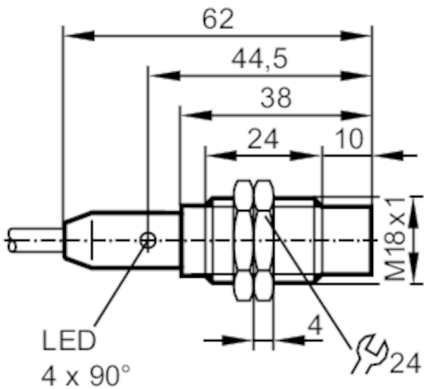




Inductive sensor

IGB3012-BPKG/M/V4A/10M/WH



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	12
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 62
Application		
Special feature		Increased sensing range
Application		regular cleaning processes
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 10
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]	100
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	12
Real sensing range Sr	[mm]	12 ± 10 %
Operating distance	[mm]	0...9.72



Inductive sensor

IGB3012-BPKG/M/V4A/10M/WH

Increased sensing range	yes	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[X01]	1...20
Switch point drift	[X01]	-10...10
Operating conditions		
Ambient temperature	[°C]	0...100
Protection	IP 68; IP 69K; ("COP")	
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	0,5 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[ANN]	1925
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	подача напруги	Limited Voltage/Current
	File number UL	E174191
Mechanical data		
Weight	[g]	379.2
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M18 x 1 / L = 62
Thread designation	M18 x 1	
Materials	stainless steel (1.4404 / 316L); sensing face: PEEK	
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Аксессуары		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

IGT209



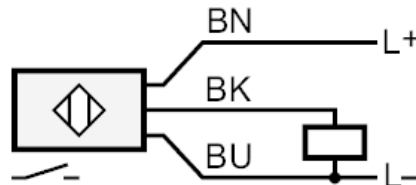
Inductive sensor

IGB3012-BPKG/M/V4A/10M/WH

Electrical connection

Cable: 10 m, PVC, Ø 4.9 mm; 3 x 0.34 mm²

Connection



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