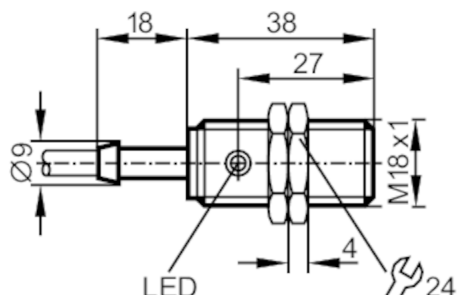


IG5234



Inductive sensor

IGB3005-ANKG



Product characteristics

Electrical design	NPN	
Output function	normally open	
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	yes	

Outputs

Electrical design	NPN	
Output function	normally open	
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	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	

Monitoring range

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 / aluminum: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-10...10	

IG5234



Inductive sensor

IGB3005-ANKG

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	2279

Mechanical data

Weight	[g]	140.4
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 38
Thread designation		M18 x 1
Material		brass white bronze coated; PC

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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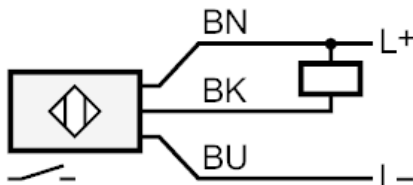
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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