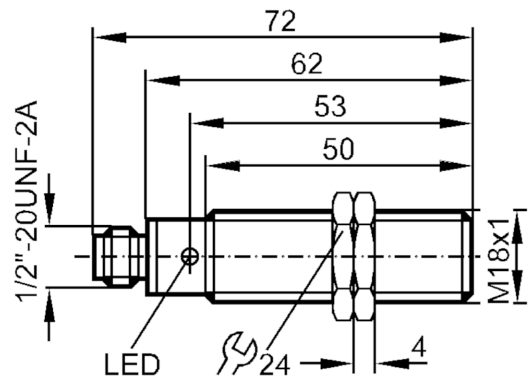


IG0344



Inductive sensor

IGK2008BABOA/SL/LS100-AK RT



Product characteristics	
Output function	normally open
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1
Application	
Special feature	Increased sensing range
Electrical data	
Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	no



Inductive sensor

IGK2008BABOA/SL/LS100-AK RT

Outputs		
Output function		normally open
Max. voltage drop switching output DC [V]		6
Max. voltage drop switching output AC [V]		6.5
Minimum load current [mA]		5
Max. leakage current [mA]		1 (250 V AC) / 0.8 (140 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC [mA]		250; (350 (...50 °C))
Permanent current rating of switching output DC [mA]		100
Short-time current rating of switching output [mA]		2200; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]		25
Switching frequency DC [Hz]		60
Short-circuit proof		no
Overload protection		no
Detection zone		
Sensing range [mm]		8
Operating distance [mm]		0...6.5
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.45 / aluminium: 0.4 / copper: 0.33
Hysteresis [% of Sr]		3...15
Operating conditions		
Ambient temperature [°C]		-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	612	
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Hazardous voltage
	File number UL	E174191
Mechanical data		
Weight [g]		65.2
Housing		threaded type
Mounting		flush mountable
Dimensions [mm]		M18 x 1
Thread designation		M18 x 1
Materials		brass white bronze coated; PA; PBT
Displays / operating elements		
Display	switching status	1 x LED, red

IG0344



Inductive sensor

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Electrical connection

Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
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Accessories

Accessories (supplied)	lock nuts: 2
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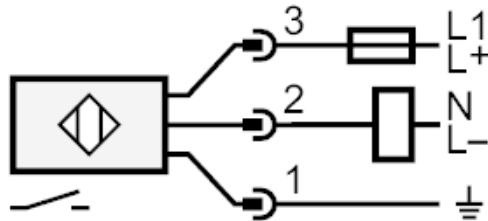
Remarks

Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
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Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x 1/2"



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting