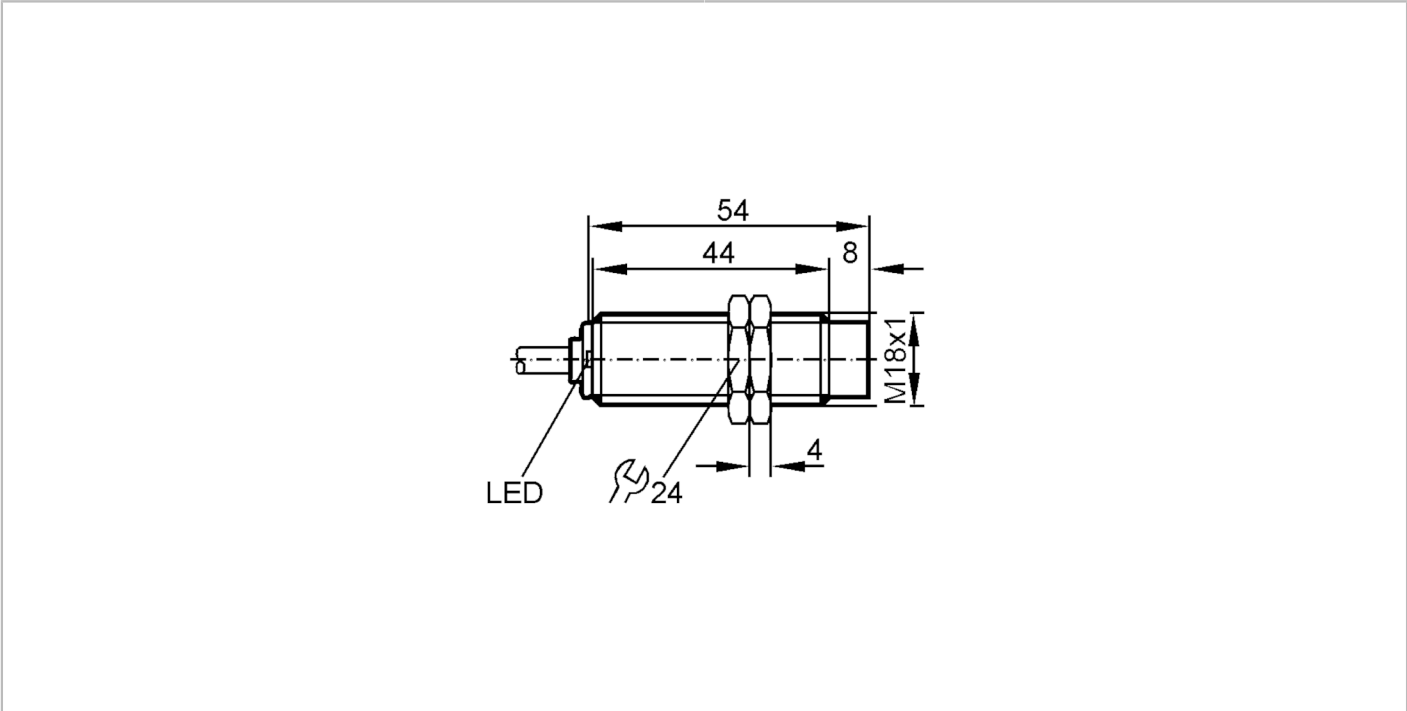




Inductive sensor

IGK2008RABOA/6M/PH

Article no longer available - archive entry



Product characteristics

Electrical design	series connection possible
Output function	normally open
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1

Electrical data

Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	series connection possible
Output function	normally open
Max. voltage drop switching output DC [V]	5.5
Max. voltage drop switching output AC [V]	5.5
Minimum load current [mA]	5
Max. leakage current [mA]	1.5
Permanent current rating of switching output AC [mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC [mA]	100

**Inductive sensor**

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Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	100
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Materials		brass nickel-plated; PC
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

IG0389



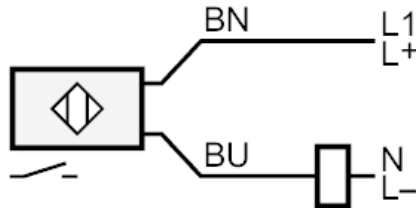
Inductive sensor

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Electrical connection

Cable: 6 m, PUR; 2 x 0.5 mm²

Connection



BN = Core colours :
brown
BU = blue