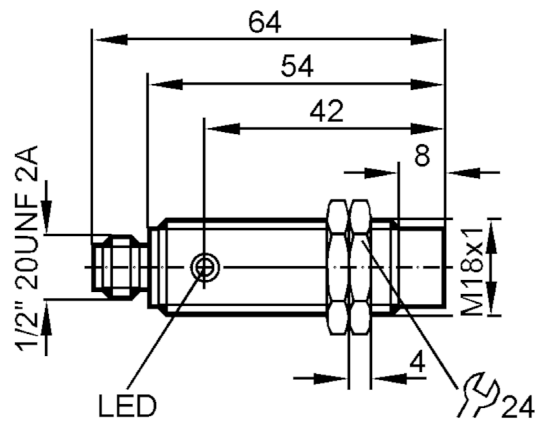




Inductive sensor

IGB2008-ABOA/SL/LS-100AK/RT



Product characteristics	
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	I
Reverse polarity protection	no
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]	2.5 (250 V AC) / 1.3 (110 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]	100

IG0350



Inductive sensor

IGB2008-ABOA/SL/LS-100AK/RT

Short-circuit proof	no
Overload protection	no
Monitoring range	
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 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011 class B
MTTF [years]	604
UL approval	Ta
	0...40 °C
	Enclosure type
	Type 1
	voltage supply
	Hazardous voltage
	File number UL
	E174191
Mechanical data	
Weight [g]	59.9
Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M18 x 1
Thread designation	M18 x 1
Material	brass nickel-plated; PC
Displays / operating elements	
Display	Switching status
	1 x LED, red
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories	
Items supplied	lock nuts: 2
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

IG0350

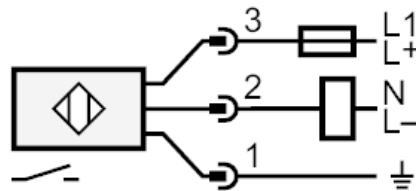


Inductive sensor

IGB2008-ABOA/SL/LS-100AK/RT

Electrical connection - plug

Connector: 1 x 1/2"; coding: C



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