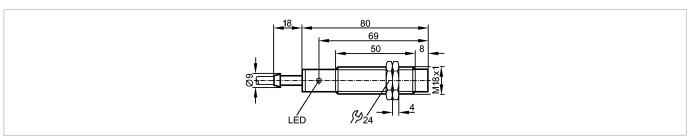
## efector100°

### IG0012

IGA2008-ABOA Inductive sensors





# C€ EH[

Mechanical data

LIIL		
Product characteristics		
Inductive sensor		
Metal thread M18 x 1		
Cable		
Sensing range 8 mm; [nf] n	on-flush m	ountable
Electrical data		
Electrical design		AC/DC
Operating voltage	[V]	20250 AC/DC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally open
Voltage drop	[V]	< 6.5 AC / < 6 DC
Minimum load current	[mA]	5
Leakage current	[mA]	< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)
Current rating		
- Current rating (continuous	s) [mA]	250 AC / 100 DC; 350 AC (50 °C)
- Current rating (peak)	[mA]	î: 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof		no
Overload protection		no
Switching frequency	[Hz]	25 AC / 50 DC
Monitoring range		
Sensing range	[mm]	8
Real sensing range (Sr)	[mm]	8 ± 10 %
Operating distance	[mm]	06.5
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis	[% of Sr]	115
Switch-point drift	[% of Sr]	-1010
Environment		
Ambient temperature	[°C]	-2580
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
		EN 55011: class B
MTTF	[Years]	604
March and and date		







Mounting		non-flush mountable
Housing materials		brass white bronze coated; active face: PBT
Weight	[kg]	0.144

#### Displays / operating elements

Output status indication LED yellow

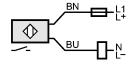
### Electrical connection

Connection PVC cable / 2 m; 2 x 0.5 mm<sup>2</sup>

#### Wiring

Core colors

BN brown BU blue



Note: miniature fuse to IEC60127-2 sheet 1,  $\leq$  2 A (fast acting)

Accessories		
Accessories (included)		2 lock nuts
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	[piece]	1

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