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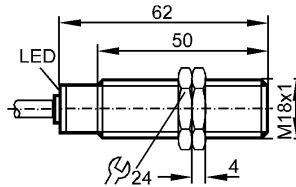
**efector100**

IG6003



IGK3004-BPKG/0.8MZHUS100DPSACI

Inductive sensors

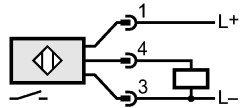


Product characteristics

Inductive sensor	
Metal thread M18 x 1	
Cable with connector	
aluminum chip immune	
Sensing range 4 mm; [f] flush mountable	
Electrical data	
Electrical design DC PNP	
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
<b>Current rating</b>	
- Current rating (continuous) [mA]	250
- Current rating (peak) [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	60
Monitoring range	
Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
Mechanical data	
Mounting	flush mountable
Housing materials	brass white bronze coated; PBT; ceramics
Weight [kg]	0.101
Displays / operating elements	
Output status indication LED	red
Electrical connection	
Connection	PUR / PVC cable / 0.8 m; 3 x 0.5 mm <sup>2</sup> ; with M12 connector

# IG6003 - Inductive sensor - eclass: 27270101 / 27-27-01-01

## Wiring



### Accessories

Accessories (included)

2 lock nuts

### Remarks

Pack quantity

[piece]

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