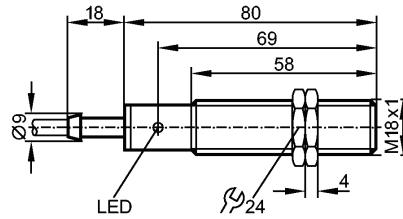


IG5593

IG-2005-FRKG/PH

Inductive sensors



| Product characteristics | |
|---|--|
| Inductive sensor | |
| Plastic thread M18 x 1 | |
| Cable | |
| Sensing range 5 mm; [f] flush mountable | |
| Electrical data | |
| Electrical design | DC PNP/NPN |
| Operating voltage [V] | 10...55 DC |
| Protection class | II |
| Reverse polarity protection | yes |
| Outputs | |
| Output function | normally open / closed programmable |
| Voltage drop [V] | < 4.6 |
| Minimum load current [mA] | 4 |
| Leakage current [mA] | < 0.8 |
| Current rating [mA] | 400 |
| Short-circuit protection | pulsed |
| Overload protection | yes |
| Switching frequency [Hz] | 700 |
| Range | |
| Sensing range [mm] | 5 |
| Real sensing range (Sr) [mm] | 5 ± 10 % |
| Operating distance [mm] | 0...4.05 |
| Accuracy / deviations | |
| Correction factors | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2 |
| Hysteresis [% of Sr] | 1...15 |
| Switch-point drift [% of Sr] | -10...10 |
| Environment | |
| Ambient temperature [°C] | -25...80 |
| Protection | IP 67 |
| Tests / approvals | |
| EMC | EN 60947-5-2 |
| MTTF [Years] | 1835 |
| Mechanical data | |
| Mounting | flush mountable |
| Housing materials | PBT |
| Weight [kg] | 0.107 |

IG5593

IG-2005-FRKG/PH

Inductive sensors

Displays / operating elements

Output status indication LED yellow

Electrical connection

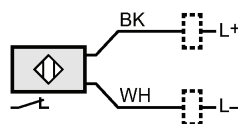
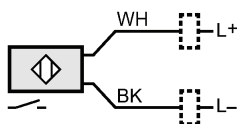
Connection PUR / PVC cable / 2 m; 2 x 0.5 mm²

Wiring

Core colours

BK black

WH white



Accessories

Accessories (included) 2 lock nuts

Remarks

Pack quantity [piece] 1