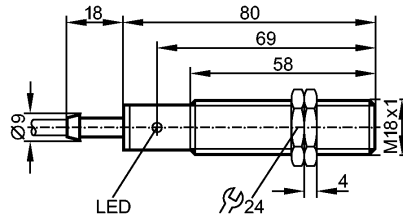


**IG5594**

IGA2005-FRKG/PH

**Inductive sensors**



Made in Germany

Product characteristics	
Inductive sensor	
Metal 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 EN 55011: class B
MTTF [Years]	1835
Mechanical data	
Mounting	flush mountable
Housing materials	Brass white bronze coated; active face: PC (polycarbonate)

## IG5594

IGA2005-FRKG/PH

Inductive sensors

Weight [kg] 0.142

### Displays / operating elements

Output status indication LED yellow

### Electrical connection

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

#### Wiring

Core colours

BK black

WH white



### Accessories

Accessories (included) 2 lock nuts

### Remarks

Pack quantity [piece] 1