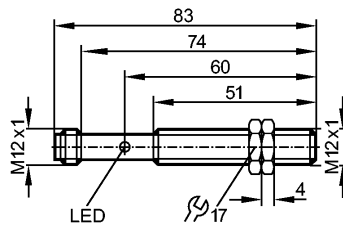


**IF5598**

IFA2002-FRKG/US-100-IRF

Inductive sensors


**Product characteristics**

Inductive sensor

Metal thread M12 x 1

Quick disconnect

Sensing range 2 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP/NPN
Operating voltage [V]	10...55 DC
Protection class	III
Reverse polarity protection	yes

**Outputs**

Output function	normally open / closed programmable
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	< 0.5
Current rating [mA]	300
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1100

**Monitoring range**

Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6

**Accuracy / deviations**

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]	1815

**Mechanical data**

Mounting	flush mountable
Housing materials	brass white bronze coated; active face: PC (polycarbonate)
Weight [kg]	0.034

**Displays / operating elements**



IF5598

IFA2002-FRKG/US-100-IRF

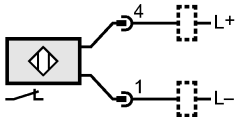
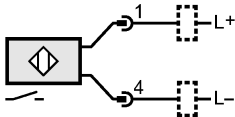
Inductive sensors

Output status indication      LED      yellow

Electrical connection

Connection      M12 connector

Wiring



Accessories

Accessories (included)      2 lock nuts

Remarks

Pack quantity      [piece]      1