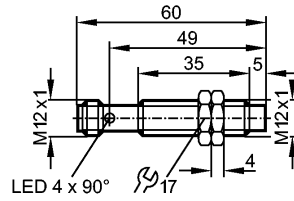


IF5898

IFK2007-FRKG/M/2LED/US-104-IRF

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M12 x 1
Quick disconnect
Increased sensing range
Optical setting aid (2 LED)
Sensing range 7 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC; cULus - Class 2 source required
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]	< 1
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	500

Monitoring range

Sensing range [mm]	7
Operating distance [mm]	0...5.7

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.5 / Cu approx. 0.4
Hysteresis [% of Sr]	1...20

Environment

Ambient temperature [°C]	-25...70
Protection	IP 68; "Coolant"

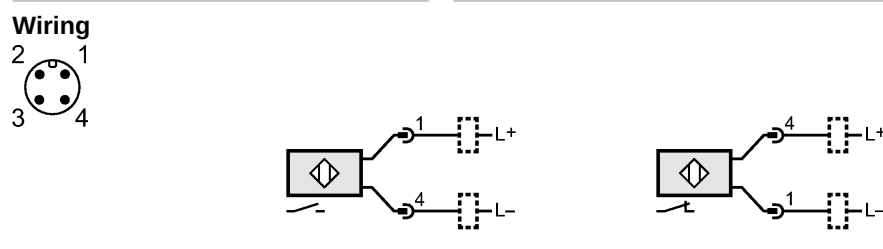
Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF [Years]	1320

IF5898

IFK2007-FRKG/M/2LED/US-104-IRF

Inductive sensors

Mechanical data		
Mounting		non-flush mountable
Housing materials		brass white bronze coated; active face: PBT orange
Weight	[kg]	0.027
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Setting aid	LED	red
Electrical connection		
Connection		M12 connector; gold-plated contacts
Wiring 		
Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1