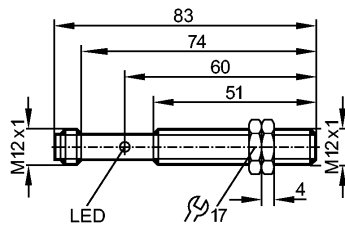


IF5618

IFA3002-APKG/US-100-DPO

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M12 x 1
Connector
Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	Normally closed
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	800

Range

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

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]	1874

Mechanical data

Mounting	flush mountable
Housing materials	Brass white bronze coated; PC (polycarbonate)
Weight [kg]	0.035

IF5618

IFA3002-APKG/US-100-DPO

Inductive sensors

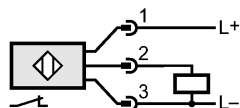
Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

Electrical connection

Connection	M12 connector
------------	---------------

Wiring



Accessories

Accessories (included)	2 lock nuts
------------------------	-------------

Remarks

Pack quantity	[piece]	1
---------------	---------	---