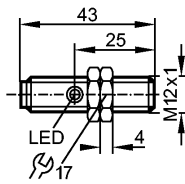


IF5542

IFB3002-APKG/US-100-DPO

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

Outputs

Output function	normally closed
Voltage drop [V]	< 2.5
Current rating [mA]	150
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1500

Monitoring 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 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	3...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]	2531

Mechanical data

Mounting	flush mountable
Housing materials	brass white bronze coated; active face: PC (polycarbonate)
Weight [kg]	0.027

IF5542

IFB3002-APKG/US-100-DPO

Inductive sensors

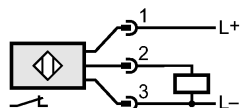
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	M12 connector
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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