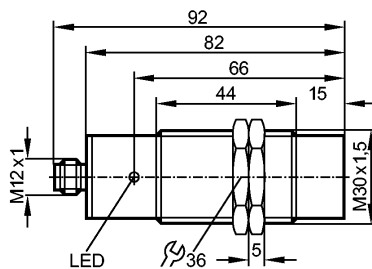


II5776

IIA3015-BPKG/V4A/US-100-DPS-AU

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Quick disconnect
Sensing range 15 mm; [nf] non-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 open
Voltage drop [V]	< 2.5

Current rating

- Current rating (continuous) [mA]	250
- Current rating (peak) [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	200

Monitoring range

Sensing range [mm]	15
Real sensing range (Sr) [mm]	15 ± 10 %
Operating distance [mm]	0...12.1

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]	1853

Mechanical data

II5776

IIA3015-BPKG/V4A/US-100-DPS-AU

Inductive sensors

Mounting	non-flush mountable
Housing materials	stainless steel 316Ti / 1.4571; active face: PBT
Weight [kg]	0.15

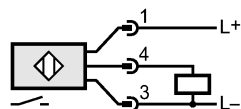
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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