

Product characteristics

Inductive sensor	
Metal thread M30 x 1.5	
Cable	
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 closed
Voltage drop [V]		< 2.5
Current rating [mA]		250
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency [Hz]		250

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]		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
MTTF [Years]		1844

Mechanical data

Mounting		non-flush mountable
Housing materials		brass nickel-plated; PBT
Weight [kg]		0.243

I15288

I1A3015-APKG

Inductive sensors

Displays / operating elements

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

Electrical connection

Connection	PVC cable / 2 m; 3 x 0.5 mm ²
------------	--

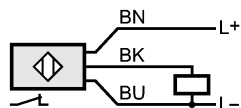
Wiring

Core colors

BN brown

BU blue

BK black



Accessories

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

Remarks

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