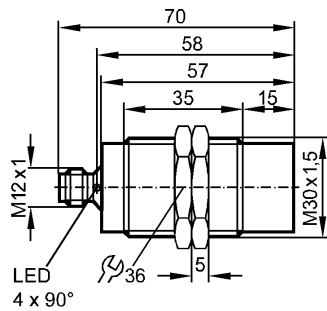


II5854

IIA3015-BPKG/US-104-DPS

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Connector
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 [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	200

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 / 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
-----	---------------------------	---------

II5854

IIA3015-BPKG/US-104-DPS

Inductive sensors

MTTF	[Years]	1745
------	---------	------

Mechanical data

Mounting	non-flush mountable	
Housing materials	Brass white bronze coated; PBT	
Weight	[kg]	0.121

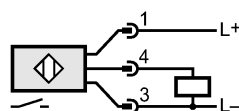
Displays / operating elements

Output status indication	LED	4 x yellow
--------------------------	-----	------------

Electrical connection

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

Wiring



Accessories

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

Remarks

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