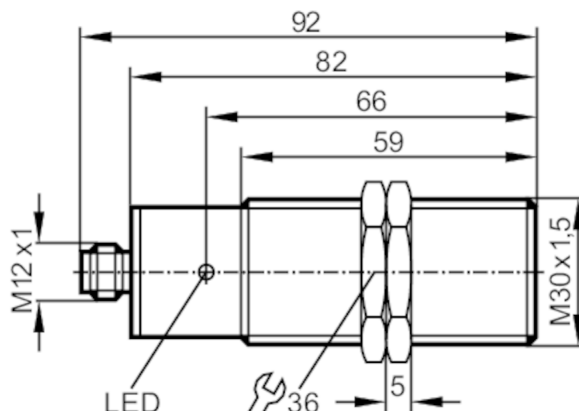




Inductive sensor

IIA3010-BPKG/V4A/US-100-DPS/AU



Electrical data

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

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.5 / copper: 0.4
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

II5689



Inductive sensor

IIA3010-BPKG/V4A/US-100-DPS/AU

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1853	
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Unlimited Voltage
	File number UL	E174191

Mechanical data

Weight [g]	158
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M30 x 1.5 / L = 92
Thread designation	M30 x 1.5
Materials	stainless steel (1.4571/316Ti); sensing face: PC

Displays / operating elements

Display	switching status	1 x LED, yellow
---------	------------------	-----------------

Accessories

Accessories (supplied)	lock nuts: 2
------------------------	--------------

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



II5689



Inductive sensor

IIA3010-BPKG/V4A/US-100-DPS/AU

Connection

