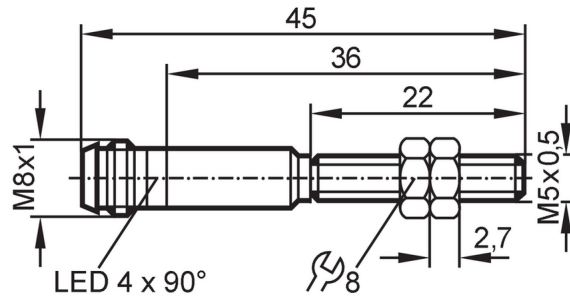


IY5036



Inductive sensor

IYB30,8-BPKG/V2A/AS-514 RT



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	0.8
Housing		threaded type
Dimensions	[mm]	M5 x 0.5 / L = 45

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
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]	100
Switching frequency DC	[Hz]	2000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	0.8
Real sensing range S_r	[mm]	$0.8 \pm 10\%$
Operating distance	[mm]	0...0.65

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 65

IY5036



Inductive sensor

IYB30,8-BPKG/V2A/AS-514 RT

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

Mechanical data

Weight [g]	10.8
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M5 x 0.5 / L = 45
Thread designation	M5 x 0.5
Materials	stainless steel (303/1.4305); sensing face: POM

Displays / operating elements

Display	switching status	4 x 90° LED, red
---------	------------------	------------------

Accessories

Items supplied	lock nuts: 2
----------------	--------------

Remarks

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

Electrical connection - plug

Connector: 1 x M8; coding: A; Contacts: 3



Connection

