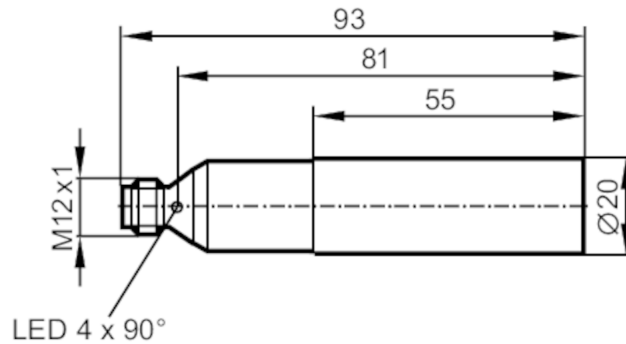


# IA5126



## Inductive sensor

IA-3010-BPKG/US-104-KPS



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Housing		cylindrical
Dimensions	[mm]	Ø 20 / L = 93

### 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]	300
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: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15

# IA5126



## Inductive sensor

IA-3010-BPKG/US-104-KPS

Switch point drift	[% of Sr]	-10...10
--------------------	-----------	----------

### Operating conditions

Ambient temperature	[°C]	-25...80
---------------------	------	----------

Protection		IP 67
------------	--	-------

### Tests / approvals

EMC		EN 60947-5-2
-----	--	--------------

MTTF	[years]	1801
------	---------	------

### Mechanical data

Weight	[g]	75.8
--------	-----	------

Housing		cylindrical
---------	--	-------------

Mounting		non-flush mountable
----------	--	---------------------

Dimensions	[mm]	Ø 20 / L = 93
------------	------	---------------

Materials		PBT
-----------	--	-----

### Displays / operating elements

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

### Accessories

Items supplied		Mounting clamps: 1
----------------	--	--------------------

### Remarks

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

### Electrical connection - plug

Connector: 1 x M12; coding: A



### Connection

