

Datasheet - IFL 2-6,5M-01ST2P

Inductive proximity switch / Housing construction form: cylinder smooth / IFL Ø 6.5 mm



☒ Preferred typ



- Design Ø 6.5 mm
- Metal enclosure
- DC 3-wire
- Connector

(Minor differences between the printed image and the original product may exist!)

Ordering details

Product type description	IFL 2-6,5M-01ST2P
Article number	101117671
EAN code	4030661047430
eCl@ss	27-27-01-01

Global Properties

Product name	IFL Ø 6,5 mm
Standards	IEC/EN 60947-5-2; DIN VDE 0660-208
Compliance with the Directives (Y/N) 	Yes
Operating resource protection class	None
Materials	
- Material of the housings	Brass
- Material of the terminal fixing	thermoplastic
Housing coating	nickel-plated
Housing construction form	cylinder smooth
Weight	12 g

Mechanical data

Design of electrical connection	Connector M8
Conductor with strain relief	No

mechanical installation conditions	flush
Switch distance	2 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection, Protection against polarity reversal, short-circuit and overload proof
Pressure resistant (Y/N)	No

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-25 °C
- Max. environmental temperature	+70 °C
Protection class	IP67 to IEC/EN 60529

Electrical data

Design of control element	Opener (NC)
Number of wire	3 piece
Voltage type	DC, direct current
Supply voltage U_b	
- Min. supply voltage	10 V
- Max. supply voltage	30 V
Switch frequency	approx. 3000 Hz
Voltage drop U_d	approx. 1.2 V (200 mA)
Operating current I_e	200 mA
No-load current I_0	approx. 3.4 mA (24 V)

Outputs

Design of control output	PNP
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LED switching conditions display

LED switching conditions display (Y/N)	Yes
- yellow LED	

ATEX

Explosion protection categories for gases	None
Explosion protected category for dusts	None

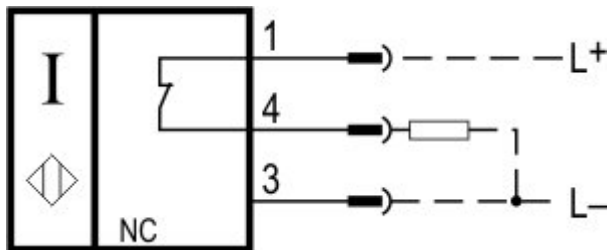
Dimensions

Dimensions of the sensor	
- Width of sensor	6.5 mm
- Height of sensor	6.5 mm
- Length of sensor	54 mm
- Diameter of sensor	6.5 mm

notice

Clamp H 6,5 is included in delivery

Diaaram



Note Diagram

- positive break NC contact
- active
- no active
- Normally-open contact
- Normally-closed contact

Ordering code

IFL (1)-(2)(3)-(4)(5)(6)(7)

(1)

2

N-2

Switch distance 2 mm

Switch distance 1.5 mm

(2)

6.5

cylinder smooth, Ø 6.5 mm

(3)

without

Included in standard version Design

M

miniature body

(4)

01

Opener (NC)

10

Normally open contact (NO)

11

Normally open contact (NO) / Opener (NC) antivalent

(5)

without

Cable

ST

Connector

(6)

without

Included in standard version Plug-in connection

2

Alternative Plug-in connection

(7)

N

n-type

P

p-type

Documents

Operating instructions (en) 128 kB, 31.08.2016

Code: mrl_ifl-allgemein_en

Operating instructions (pl) 137 kB, 21.10.2016

Code: mrl_ifl-allgemein_pl

Operating instructions (it) 108 kB, 21.10.2016

Code: mrl_ifl-allgemein_it

Operating instructions (es) 110 kB, 21.10.2016

Code: mrl_ifl-allgemein_es

Operating instructions (de) 131 kB, 31.08.2016

Code: mrl_ifl-allgemein_de

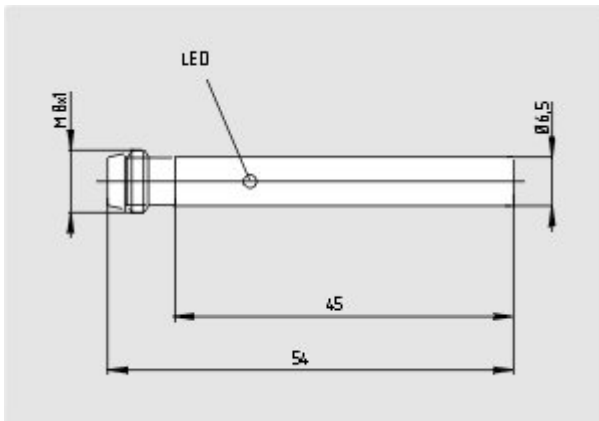
Operating instructions (fr) 110 kB, 21.10.2016

Code: mrl_ifl-allgemein_fr

Declaration of conformity (en, de) 232 kB, 05.11.2013

Code: __iflp01

Images



Dimensional drawing (basic component)

System components

Mounting accessories



101095263 - MOUNTING CLAMP H 6,5

- For a smooth fitting of the proximity switches with cylindric shape Ø 6.5 mm

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

Generiert am 17.01.2017 - 12:12:48h Kasbase 3.2.6.F.64I