

Datasheet - IFL 5-18-10STP

Inductive proximity switch / Housing construction form: cylinder, thread / IFL - M18



☒ Preferred typ



- Design M 18 x 1
- Metal enclosure
- DC 3-wire
- Connector M12

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

Ordering details

Product type description	IFL 5-18-10STP
Article number	101099563
Strobe lamp	4030661008936
eCl@ss	27-27-01-01

Global Properties

Permanent light	IFL - M18
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 nuts	Brass
- Material of the active surface	Plastic
Housing coating	nickel-plated
Housing construction form	cylinder, thread
Weight	50

Mechanical data

Design of electrical connection	Connector M12
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Conductor with strain relief	No
mechanical installation conditions	flush
Switch distance	5
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
Tightening torque for nuts	24 1800

Ambient conditions

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

Electrical data

Design of control element	Normally open contact (NO)
Number of wire	3
Voltage type	DC, direct current
Supply voltage	
- Min. supply voltage	10
- Max. supply voltage	30
Switch frequency	400
Voltage drop	1.2 (200)
Operating current	200
No-load current	3 (24)

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

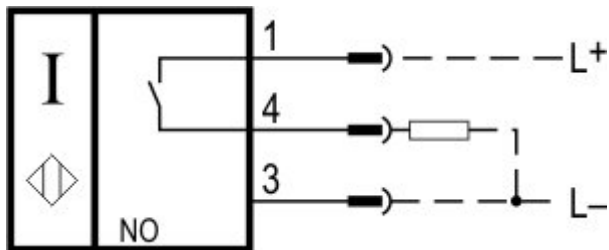
Dimensions

Dimensions of the sensor	
- Length of sensor	71.4
- Diameter of sensor	M18

notice

Instead of nuts, a mounting clamp can be provided.

Diaagram



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)-(8)

(1)

5

Switch distance 5 mm

8

Switch distance 8 mm

10

Switch distance 10 mm

(2)

18

cylinder, thread M18, Metal film

180

cylinder, thread M18, Plastic

(3)

without

Included in standard version Design

M

miniature body

L

Long design

(4)

01

Opener (NC)

10

Normally open contact (NO)

10/01

Normally open contact (NO) / Opener (NC) with Wiring compartment

11

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

(5)

without

Cable

ST

Connector

T

Conductor with strain relief

A

Alternating current/direct current AC/DC

D

DC 2-wire

(6)

without

Included in standard version Plug-in connection

2

Alternative Plug-in connection

(7)

N

n-type

P

p-type

(8)

2033

Stainless steel enclosure

2130

Max. +130°C, without LED switching conditions display

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 (pt) 109 kB, 06.04.2017

Code: mrl_ifl-allgemein_pt

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 (cn) 177 kB, 05.05.2017

Code: mrl_ifl-allgemein_cn

Operating instructions (de) 131 kB, 31.08.2016

Code: mrl_ifl-allgemein_de

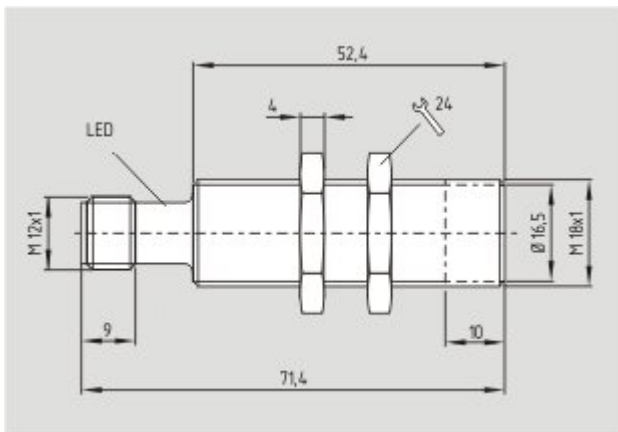
Operating instructions (fr) 110 kB, 21.10.2016

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



101068879 - MOUNTING CLAMP H 18

- For a smooth fitting of the proximity switches with cylindric shape Ø 18 or thread M18

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal

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

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