

Datasheet - IFL 15-30L-10TP-2130

Inductive proximity switch / Housing construction form: cylinder, thread / IFL - M30



☒ Preferred typ



- Design M30
- Metal enclosure
- DC 3-wire
- Long design
- Max. + 130°C

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

Ordering details

Product type description	IFL 15-30L-10TP-2130
Article number	101127040
EAN code	4030661050836
eCl@ss	27-27-01-01

Global Properties

Product name	IFL - M30
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 cable mantle	Thermoflex 155
- Material of the active surface	Plastic
- Material of the terminal fixing	thermoplastic
Housing coating	nickel-plated
Housing construction form	cylinder, thread
Weight	240 g

Mechanical data

Design of electrical connection	Cable
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Cable length	2 m
Conductor with strain relief	Yes
Conductors	3 x 0,34 mm ²
mechanical installation conditions	not flush
Switch distance	15 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection, Protection against polarity reversal
Pressure resistant (Y/N)	No
Tightening torque for nuts	A/F 36 max. 3000 Ncm

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-25 °C
- Max. environmental temperature	+130 °C
Protection class	IP67 to IEC/EN 60529

Electrical data

Design of control element	Normally open contact (NO)
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. 60 Hz
Voltage drop U _d	approx. 1.2 V (200 mA)
Operating current I _e	200 mA
No-load current I ₀	approx. 1.8 mA (24 V)

Outputs

Design of control output	PNP
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LED switching conditions display

LED switching conditions display (Y/N)	No
- yellow LED	

ATEX

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

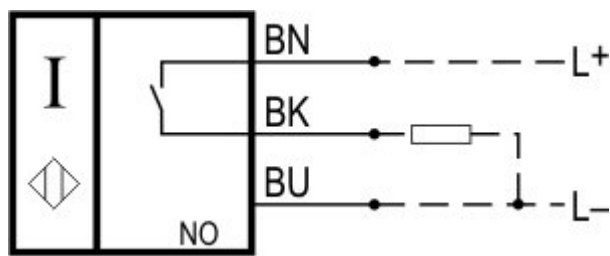
Dimensions

Dimensions of the sensor	
- Length of sensor	98 mm
- Diameter of sensor	M30

notice

Clamp H 30 is included in delivery

Diagram



Note Diagram

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

Ordering suffix

The applicable ordering suffix is added at the end of the part number of the safety switch.
Order example: IFL 15-30L-10TP-2130- **2130 - 2**

...- 2130 - 2	version with nuts
...- 2130-1	with silicon cable for humid environments

Ordering code

IFL (1)-(2)(3)-(4)(5)(6)(7)-(8)	
(1)	
10	Switch distance 10 mm
15	Switch distance 15 mm
(2)	
30	cylinder, thread M30, Metal film
300	cylinder, thread M30, 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
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)	
1310	Max. +110°C (<i>Only for Alternating current AC</i>)
2130	Max. +130°C, without LED switching conditions display
1766	Max. +110°C (<i>Only for p-type or n-type</i>)

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

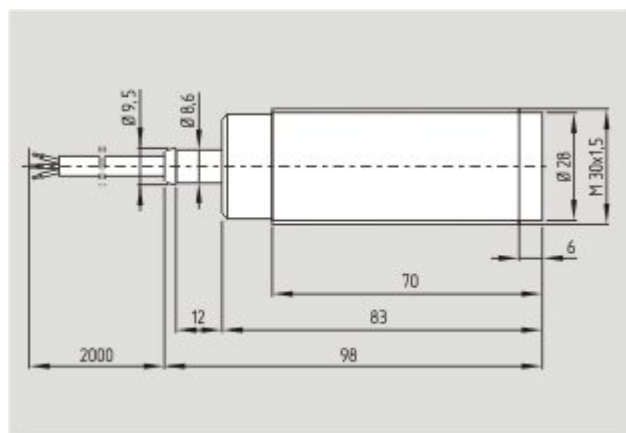
Operating instructions (fr) 110 kB, 21.10.2016

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



101068520 - MOUNTING CLAMP H 30

- For a smooth fitting of the proximity switches with cylindric shape Ø 30 mm or thread M30

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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