

Datasheet - IFL 15-30L-10TP

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



- Design M30
- Metal enclosure
- DC 3-wire
- Long design

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

Ordering details

Product type description	IFL 15-30L-10TP
Article number	1127041
EAN code	4030661050829

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 nuts	Brass
- Material of the cable mantle	PVC
- Material of the active surface	Plastic
Housing coating	nickel-plated
Housing construction form	cylinder, thread
Weight	195 g

Mechanical data

Design of electrical connection	Cable
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, short-circuit and overload proof
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	+ 70°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. 100 Hz
Voltage drop U _d	approx. 1.2 V (200 mA)
Operating current I _e	200 mA
No-load current I ₀	approx. 3.5 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

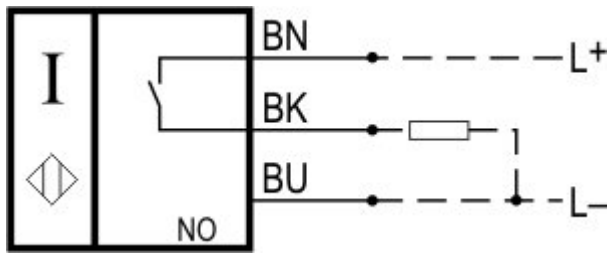
Dimensions

Dimensions of the sensor	
- Width of sensor	28 mm
- Height of sensor	28 mm
- Length of sensor	100 mm
- Diameter of sensor	M30

notice

Instead of nuts, a mounting clamp can be provided.

Diagram



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)

- 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** Specified for dielectricity

(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 (Only for Alternating current AC)
- 2130** Max. +130°C, without LED switching conditions display

1766 Max. +110°C (Only for p-type or n-type)

Documents

Mounting and wiring instructions (de, en, fr, it) 79 kB, 05.10.2010

http://127.0.0.1/Bilddata/Naeherun/pdf/ifl/montage/m_fl1p01.pdf

Declaration of conformity (en, de) 93 kB, 25.10.2006

http://127.0.0.1/Bilddata/Naeherun/pdf/ifl/konform/___iflp01.pdf

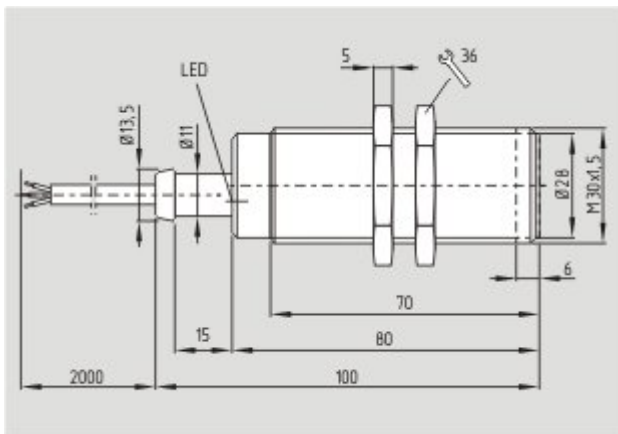
CCC certification (en) 276 kB, 04.12.2007

http://127.0.0.1/Bilddata/Naeherun/pdf/ifl/zertifikat/q_iflp02.pdf

CCC certification (cn) 232 kB, 04.12.2007

http://127.0.0.1/Bilddata/Naeherun/pdf/ifl/zertifikat/q_iflp03.pdf

Images



Dimensional drawing (basic component)

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

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

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