



IFL 5-18M-10N

- Metal enclosure
- DC 3-wire
- miniature body
- Design M 18 x 1

Data

Ordering data

Product type description	IFL 5-18M-10N
Article number (order number)	101083093
EAN (European Article Number)	4030661018492
eCl@ss number, Version 9.0	27-27-01-01
eCl@ss number, Version 11.0	27-27-01-01
ETIM number, version 6.0	EC002714
ETIM number, version 7.0	EC002714

General data

Product name	IFL - M18
Standards	IEC/EN 60947-5-2 DIN VDE 0660-208
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	flush
Enclosure material	Brass
Enclosure coating material	nickel-plated
Active area	Plastic

Material of the nuts	Brass
Gross weight	110 g

General data - Features

Integral System Diagnostics, status	Yes
Number of cable wires	3

Mechanical data

Tightening torque of nuts, maximum	18 Nm
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Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	2 m
Wire cross-section	0.34 mm ²
Material of the Cable mantle	PVC

Mechanical data - Dimensions

ISO thread of the sensor	M18
width across flats	24 BK
Length of sensor	36 mm

Ambient conditions

Degree of protection	IP67 to EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C
Protection rating	0

Electrical data

Voltage type	DC (direct current)
Operating voltage, minimum	10 V
Operating voltage, maximum	30 V
No-load supply current I_0	3.4 mA
Operating current	200 mA
Switching element	Normally open contact (NO)
Protection circuit integrated	inductive interference protection Protection against polarity reversal Surge protection Max. fuse rating
Switching frequency, approx.	700 Hz

Electrical data - Digital Output

Voltage drop U_d , maximum	1.2 V
Current at Voltage drop U_d	0.2 A
Versions	n-type

Status indication

Note (Integral System Diagnostics, status)	yellow LED
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Notes

Note (General)	Instead of nuts, a mounting clamp can be provided.
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Mechanical data - Switching distances according IEC 60947-5-3

Switch distance	5 mm
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Ordering code

Product type description:
IFL (1)-(2)(3)-(4)(5)(6)(7)-(8)

(1)		
5		Switching distance 5 mm
8		Switching distance 8 mm
10		Switching distance 10 mm
(2)		
18		Cylinder, thread M18, metal
180		Cylinder, thread M18, plastic
(3)		
without		Standard body
M		Miniature body
L		Long design
(4)		
01		Opener (NC)
10		Normally open contact (NO)
10/01		NO contact / NC contact with wiring compartment
11		1 NO contact / 1 NC contact antivalent
(5)		
without		Cable
ST		Male connector
T		Conductor with strain relief
A		Alternating current/direct current AC/DC
D		DC 2-wire
(6)		
without		Standard connector version
2		Alternative connector version
(7)		
N		n-type

Pictures

Product picture (catalogue individual photo)

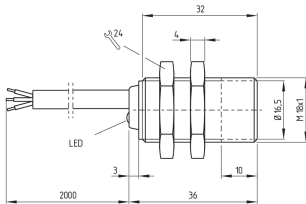


ID: kifl5f10

| 218.6 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi

| 18.5 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

Dimensional drawing basic component



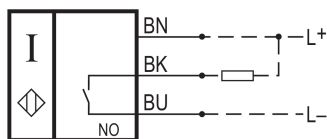
ID: lifl5g08

| 23.8 kB | .cdr |

| 6.7 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 83.7 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



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| 31.7 kB | .cdr |

| 49.0 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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