



IFL 2-8M-10ST2N

- Metal enclosure
- DC 3-wire
- miniature body
- Connector M8
- Design M 8 x 1

Data

Ordering data

Note (Delivery capacity)	Not available!
Product type description	IFL 2-8M-10ST2N
Article number (order number)	101112395
EAN (European Article Number)	4030661038773
eCl@ss number, version 12.0	27-27-40-01
eCl@ss number, version 11.0	27-27-01-01
eCl@ss number, version 9.0	27-27-01-01
ETIM number, version 7.0	EC002714
ETIM number, version 6.0	EC002714

General data

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

Material of the nuts	Brass
Gross weight	15 g

General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	3

Mechanical data

Tightening torque of nuts, maximum	6 Nm
Note (Tightening torque of nuts)	Thread must not be loaded in the head area.

Mechanical data - Switching distances

Nominal switching distance S_n	2 mm
Note (switching distance)	All switching distances in accordance EN IEC 60947-5-2

Mechanical data - Connection technique

Length of cable	2 m
Termination	Connector M8

Mechanical data - Dimensions

ISO thread of the sensor	M8
width across flats	13 BK
Length of sensor	54 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

Protection class

II

Electrical data

Operating voltage	10 ... 30 VDC
Type of voltage range	DC
No-load supply current I_0 , typical	3.4 mA
Rated operating voltage	10 ... 30 VDC
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.	3,000 Hz

Electrical data - Digital Output

Voltage drop U_d , maximum	1.2 V
Current at Voltage drop U_d	0.2 A
Design of control elements	n-type

Status indication

Note (Integral System Diagnostics, status) yellow LED

Pictures

Product picture (catalogue individual photo)



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| 306.0 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi

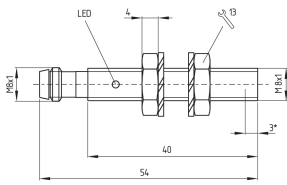
| 32.1 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

| 22.6 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

| 18.6 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 2.8 MB | .png | 169.249 x 254 mm - 1999 x 3000 px - 300 dpi

Dimensional drawing basic component



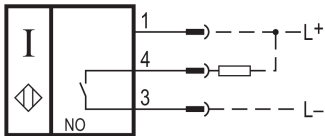
ID: 1ifl2g12

| 22.4 kB | .cdr |

| 6.2 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 74.4 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



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| 32.8 kB | .cdr |

| 44.0 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi

| 2.2 kB | .png | 74.083 x 30.692 mm - 210 x 87 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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