



IFL 4-12-10

- Metal enclosure
- AC 2-wire
- Design M12

Data

Ordering data

Note (Delivery capacity)	Not available!
Product type description	IFL 4-12-10
Article number (order number)	101141516
EAN (European Article Number)	4030661122182
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

Approvals - Standards

Certificates	CCC
--------------	-----

General data

Standards	DIN VDE 0660-208 EN IEC 60947-5-2
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	not flush

Housing material	Brass
Housing coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass
Gross weight	100 g

General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	2

Mechanical data

Tightening torque of nuts, maximum	15 Nm
Note (Tightening torque of nuts)	In the shell core area: max. 500 Ncm

Mechanical data - Switching distances

Nominal switching distance S_n	4 mm
Note (switching distance)	All switching distances in accordance EN IEC 60947-5-2

Mechanical data - Connection technique

Length of cable	2 m
Termination	Cable H03VV-F
Wire cross-section	0.5 mm ²
Material of the Cable mantle	PVC

Mechanical data - Dimensions

ISO thread of the sensor	M12
width across flats	17 BK
Length of sensor	71 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	0

Ambient conditions - Insulation values

Rated impulse withstand voltage U_{imp}	4 kV
---	------

Electrical data

Rated supply frequency, minimum	45 Hz
Rated supply frequency, maximum	65 Hz
Type of voltage range	AC
Operating current, minimum	8 mA
Rated operating voltage	15 ... 250 VAC
Operating current	200 mA
Switching element	Normally open contact (NO)
Protection circuit integrated	inductive interference protection
Switching frequency, approx.	10 Hz

Electrical data - Digital Output

Voltage drop U_d , maximum	3.5 V
Current at Voltage drop U_d	0.2 A
Design of control elements	Two-wire

Status indication

Note (Integral System Diagnostics, status)	yellow LED
---	------------

Pictures

Product picture (catalogue individual photo)

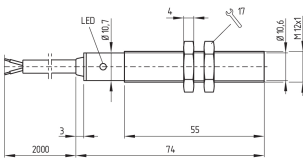
ID: kifl4f16

| 172.7 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi

| 25.1 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

| 25.1 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

Dimensional drawing basic component



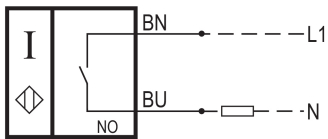
ID: 1ifl2g01

| 24.1 kB | .cdr |

| 3.4 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 72.1 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



ID: ia2lk01

| 29.6 kB | .cdr |

| 39.3 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420 px - 72 dpi

| 2.1 kB | .png | 74.083 x 31.044 mm - 210 x 88 px - 72 dpi

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

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.

Generated on: 25/04/2025, 11:34