



## IFL 4-12-01STN

- Metal enclosure
- DC 3-wire
- Connector M12
- Design M12

## Data

### Ordering data

|                               |                |
|-------------------------------|----------------|
| Note (Delivery capacity)      | Not available! |
| Product type description      | IFL 4-12-01STN |
| Article number (order number) | 101103443      |
| EAN (European Article Number) | 4030661017020  |
| 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<br>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                         | 32 g                                 |

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Integral system diagnostics, status | Yes |
| Number of cable wires               | 3   |

### 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

|             |               |
|-------------|---------------|
| Termination | Connector M12 |
|-------------|---------------|

### Mechanical data - Dimensions

|                          |       |
|--------------------------|-------|
| ISO thread of the sensor | M12   |
| width across flats       | 17 BK |

|                  |       |
|------------------|-------|
| Length of sensor | 57 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                            |

### Electrical data

|                                        |                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Type of voltage range                  | DC                                                                                                                |
| No-load supply current $I_0$ , typical | 3 mA                                                                                                              |
| Rated operating voltage                | 10 ... 30 VDC                                                                                                     |
| Operating current                      | 200 mA                                                                                                            |
| Switching element                      | Opener (NC)                                                                                                       |
| Protection circuit integrated          | inductive interference protection<br>Protection against polarity reversal<br>Surge protection<br>Max. fuse rating |
| Switching frequency, approx.           | 330 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 |
|---------------------------------------------|------------|

Note

Note (General) Instead of nuts, a mounting clamp can be provided.

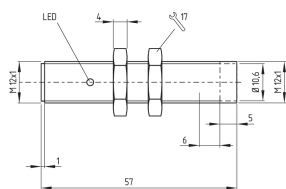
Pictures

Product picture (catalogue individual photo)



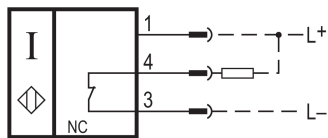
ID: kifl4f12  
| 437.3 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi  
| 44.7 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi  
| 29.4 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

Dimensional drawing basic component



ID: lifl4g15  
| 22.5 kB | .cdr |  
| 3.2 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi  
| 69.9 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



ID: id3sk12  
| 32.8 kB | .cdr |  
| 43.8 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