# DATASHEET



## IFL 50-385-11P-M20

- Thermoplastic enclosure
- DC 4-wire
- Double-insulated
- Wiring compartment
- 3 cable entries M 20 x 1.5
- Design 385

## Data

### Ordering data

| | |
|---|---|
| Product type description | IFL 50-385-11P-M20 |
| Article number (order number) | 101174071 |
| EAN (European Article Number) | 4030661303239 |
| 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 | Block |
| Installation conditions (mechanical) | not flush |

| | |
|---|---|
| Housing material | Plastic |
| Gross weight | 415 g |

## General data - Features

| | |
|---|---|
| Integral system diagnostics, status | Yes |
| Number of cable wires | 4 |

## Mechanical data - Switching distances according EN IEC 60947-5-3

| | |
|---|---|
| Switching distance $S_n$ | 70 mm available on request |
| Nominal switching distance $S_n$ | 50 mm |

## Mechanical data - Connection technique

| | |
|---|---|
| Termination | Screw terminals M20 x 1.5 |
| Cable section, maximum | 2 x 1.5 mm² |

## Mechanical data - Dimensions

| | |
|---|---|
| Length of sensor | 40 mm |
| Width of sensor | 80 mm |
| Height of sensor | 135 mm |

## Ambient conditions

| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature | -25 ... +70 °C |
| Protection class | II |

## Electrical data

| | |
|---|---|
| No-load supply current $I_0$, typical | 5.5 mA |
| Rated operating voltage | 10 ... 60 VDC |
| Operating current | 400 mA |

| | |
|---|---|
| Switching element | NO contact and NC contact (antivalent) |
| Protection circuit integrated | inductive interference protection<br>Protection against polarity reversal |
| Switching frequency, approx. | 25 Hz |
| Type of voltage range | DC |

## Electrical data - Digital Output

| | |
|---|---|
| Voltage drop $U_d$, maximum | 1.5 V |
| Current at Voltage drop $U_d$ | 0.4 A |
| Design of control elements | p-type |

## Status indication

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

## Note

| | |
|---|---|
| Note (General) | Mounting angle HW 385-1 to simplify mounting available |

## Ordering code

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

(1)

| | |
|---|---|
| **50** | Switching distance 50 mm |

(2)

| | |
|---|---|
| **385** | Square design, 135 x 80 x 40 mm |

(3)

| | |
|---|---|
| **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 |

(4)

| | |
|---|---|
| **without** | Cable |
| **D** | DC 2-wire |

(5)

| | |
|---|---|
| **Z** | Protection class IP67 |

(6)

| | |
|---|---|
| **N** | n-type |
| **P** | p-type |

(7)

| | |
|---|---|
| **2130** | Can be used up to +130 C, without LED switching conditions display |

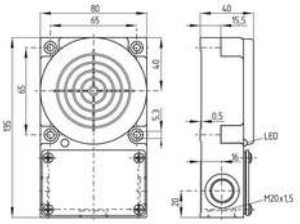
## Pictures

### Product picture (catalogue individual photo)



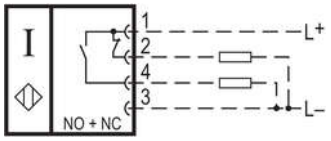
ID: kifl5f25
| 1.1 MB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 87.1 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi
| 73.6 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

### Dimensional drawing basic component



ID: 1ifl5g05
| 30.5 kB | .cdr |
| 14.2 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 166.3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

### Diagram




ID: id4ak01
| 34.8 kB | .cdr |
| 56.9 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi
| 2.7 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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