



IFL 5-18-10

- Metal enclosure
- AC 2-wire
- Double-insulated
- Design M 18 x 1

Data

Ordering data

| | |
|-------------------------------|---------------|
| Product type description | IFL 5-18-10 |
| Article number (order number) | 101141529 |
| EAN (European Article Number) | 4030661122298 |
| eCl@ss number, version 9.0 | 27-27-01-01 |
| eCl@ss number, version 11.0 | 27-27-01-01 |
| ETIM number, version 7.0 | EC002714 |
| ETIM number, version 6.0 | EC002714 |

Approvals - Standards

| | |
|--------------|-----|
| Certificates | CCC |
|--------------|-----|

General data

| | |
|--------------------------------------|--------------------------------------|
| Standards | EN IEC 60947-5-2 DIN VDE 0660-208 |
| Housing construction form | Cylinder, thread |
| Installation conditions (mechanical) | flush |
| Enclosure material | Brass |

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|----------------------------|---------------|
| Enclosure coating material | nickel-plated |
| Active area | Plastic |
| Material of the nuts | Brass |
| Gross weight | 125 g |

General data - Features

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|-------------------------------------|-----|
| Integral system diagnostics, status | Yes |
| Number of cable wires | 2 |

Mechanical data

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|------------------------------------|-------|
| Tightening torque of nuts, maximum | 18 Nm |
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Mechanical data - Switching distances according EN IEC 60947-5-3

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| Nominal switching distance S_n | 5 mm |
|----------------------------------|------|

Mechanical data - Connection technique

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

Mechanical data - Dimensions

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|--------------------------|-------|
| ISO thread of the sensor | M18 |
| width across flats | 24 BK |
| Length of sensor | 76 mm |

Ambient conditions

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|------------------------------|--------|
| Degree of protection | IP67 |
| Ambient temperature, minimum | -25 °C |

Ambient temperature, maximum +70 °C

Protection class II

Ambient conditions - Insulation values

Rated impulse withstand voltage U_{imp} 4 kV

Electrical data

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|---------------------------------|-----------------------------------|
| Voltage type | AC (alternating current) |
| Rated supply frequency, minimum | 45 Hz |
| Rated supply frequency, maximum | 65 Hz |
| Operating voltage, minimum | 15 V |
| Operating voltage, maximum | 250 V |
| Operating current, minimum | 10 mA |
| Operating current | 500 mA |
| Switching element | Normally open contact (NO) |
| Protection circuit integrated | inductive interference protection |
| Switching frequency, approx. | 10 Hz |

Electrical data - Digital Output

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|-------------------------------|----------|
| Voltage drop U_d , maximum | 4.5 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

Note

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

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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.

