

# Product datasheet

Specifications



## ISFL630 direct 185mm busbar screws M12 - fuse switch-disconnector

LV480858

 **Discontinued on:** 9 Feb 2023

 **Discontinued**

**EAN Code:** 3606480341168

### Main

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                        | FuPacT                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product name                                 | FuPacT ISFL                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Device short name                            | ISFL630                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product or component type                    | Fuse-switch disconnector                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Device application                           | Equipment protection, monitoring and control<br>Distribution                                                                                                                                                                                                                                                                                                                                                                                                       |
| Signalling function                          | Separated fuse monitor                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Poles description                            | 1 x 3P switchable                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Number of fuse carriers                      | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Fuse type                                    | DIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fuse size                                    | NH3                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Suitability for isolation                    | Yes conforming to EN/IEC 60947-3                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Visible break                                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Contact position indicator                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| [Ith] conventional free air thermal current  | 630 A ( 40 °C ) power dissipation per fuse: 48 W                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [Ithe] conventional enclosed thermal current | 630 A at 40 °C, Power dissipation per fuse: 48 W                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Maximum power dissipation per pole           | 85 W                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| [Ue] rated operational voltage               | 690 V AC 50/60 Hz<br>800 V AC 50/60 Hz AC-20<br>800 V DC DC-20                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ui] rated insulation voltage                | 1000 V AC 50/60 Hz<br>1000 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Uimp] rated impulse withstand voltage       | 8 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| [Ie] rated operational current               | AC-21B: 630 A at 220/240 V AC 50/60 Hz<br>AC-21B: 630 A at 380/415 V AC 50/60 Hz<br>AC-21B: 630 A at 440/480 V AC 50/60 Hz<br>AC-21B: 630 A at 500 V AC 50/60 Hz<br>AC-21B: 630 A at 660/690 V AC 50/60 Hz<br>AC-22B: 630 A at 220/240 V AC 50/60 Hz<br>AC-22B: 630 A at 380/415 V AC 50/60 Hz<br>AC-22B: 630 A at 440/480 V AC 50/60 Hz<br>AC-22B: 630 A at 500 V AC 50/60 Hz<br>AC-23B: 630 A at 220/240 V AC 50/60 Hz<br>AC-23B: 630 A at 380/415 V AC 50/60 Hz |

### Complementary

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                            |                                                                                                                      |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| [Iq] Breaking capacity with fuses (kA RMS) | 120 kA at 415 V (AC)<br>120 kA at 500 V (AC)<br>120 kA at 690 V (AC)                                                 |
| [Icw] rated short-time withstand current   | 25 kA for 1 s                                                                                                        |
| [Icm] Rated short-circuit making capacity  | 52.5 kA at 690 V                                                                                                     |
| Rated duty                                 | Uninterrupted                                                                                                        |
| Control type                               | Fuse carriers handle                                                                                                 |
| Provision for padlocking                   | 3 padlocks                                                                                                           |
| Mounting position                          | Vertical                                                                                                             |
| Mounting mode                              | Fixed                                                                                                                |
| Mounting support                           | Busbars                                                                                                              |
| Mounting location                          | One above the other                                                                                                  |
| Contact operation                          | Single-break                                                                                                         |
| Mechanical durability                      | 800 cycles                                                                                                           |
| Electrical durability                      | AC-21B: 200 cycles 690 V AC 50/60 Hz<br>AC-22B: 200 cycles 500 V AC 50/60 Hz<br>AC-23B: 200 cycles 415 V AC 50/60 Hz |
| Connections - terminals                    | Screw connection downstream M12 630 A<br>Direct connection upstream 630 A 185 mm                                     |
| Tightening torque                          | 40 N.m                                                                                                               |
| Width                                      | 100 mm                                                                                                               |
| Height                                     | 741 mm                                                                                                               |
| Depth                                      | 190 mm                                                                                                               |
| Net weight                                 | 5.6 kg                                                                                                               |
| Standards                                  | EN/IEC 60947-1<br>EN/IEC 60947-3                                                                                     |
| Product certifications                     | CE<br>CCC<br>EAC                                                                                                     |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Electrical shock protection class     | Class II front face          |
| IP degree of protection               | IP20 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to EN 50102  |
| Pollution degree                      | 3 conforming to IEC 60947    |
| Ambient air temperature for operation | -20...70 °C                  |
| Ambient air temperature for storage   | -50...85 °C                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 11.000 cm |
| Package 1 Width              | 21.500 cm |
| Package 1 Length             | 79.000 cm |

|                              |            |
|------------------------------|------------|
| Package 1 Weight             | 6.112 kg   |
| Unit Type of Package 2       | P12        |
| Number of Units in Package 2 | 50         |
| Package 2 Height             | 125.000 cm |
| Package 2 Width              | 80.000 cm  |
| Package 2 Length             | 120.000 cm |
| Package 2 Weight             | 317.600 kg |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | DE |
|-------------------|----|

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

| Materials and Substances               |                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                         |
| Packaging without single use plastic   | No                                                                          |
| EU RoHS Directive                      | <a href="#">Compliant</a>                                                   |
| REACH Regulation                       | <a href="#">Free of Substances of Very High Concern above the threshold</a> |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

### Use Again

| Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Take-back                | Nej                                                                                                                                                                                                             |
| WEEE Label               |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |