



## Main

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Range of product          | ISFT250                                                      |
| Range                     | FuPact                                                       |
| Product name              | Fupact ISFT                                                  |
| Device short name         | ISFT250                                                      |
| Product or component type | Fuse-switch disconnecter                                     |
| Device application        | Distribution<br>Equipment protection, monitoring and control |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description                            | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protected poles description                  | 3f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Fuse type                                    | DIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Fuse size                                    | NH1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Network type                                 | AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Network frequency                            | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Control type                                 | Fuse carriers handle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ith] conventional free air thermal current  | 250 A ( 40 °C ) power dissipation per fuse: 23 W horizontal<br>250 A ( 40 °C ) power dissipation per fuse: 23 W vertical<br>238 A ( 45 °C ) power dissipation per fuse: 22.3 W horizontal<br>238 A ( 45 °C ) power dissipation per fuse: 22.3 W vertical<br>225 A ( 50 °C ) power dissipation per fuse: 21.6 W horizontal<br>225 A ( 50 °C ) power dissipation per fuse: 21.6 W vertical<br>213 A ( 55 °C ) power dissipation per fuse: 20.9 W horizontal<br>213 A ( 55 °C ) power dissipation per fuse: 20.9 W vertical<br>200 A ( 60 °C ) power dissipation per fuse: 20.2 W horizontal<br>200 A ( 60 °C ) power dissipation per fuse: 20.2 W vertical<br>188 A ( 65 °C ) power dissipation per fuse: 19.5 W horizontal<br>188 A ( 65 °C ) power dissipation per fuse: 19.5 W vertical<br>175 A ( 70 °C ) power dissipation per fuse: 18.8 W horizontal<br>175 A ( 70 °C ) power dissipation per fuse: 18.8 W vertical |
| [Ithe] conventional enclosed thermal current | 250 A at 40 °C, Power dissipation per fuse: 23 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Rated duty                                   | Uninterrupted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [Ui] rated insulation voltage                | 1000 V AC 50/60 Hz<br>1000 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [Uimp] rated impulse withstand voltage       | 8 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ue] rated operational voltage               | 800 V AC 50/60 Hz AC-20<br>800 V DC DC-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ie] rated operational current          | AC-21B: 250 A AC 50/60 Hz 220/240 V<br>AC-21B: 250 A AC 50/60 Hz 380/415 V<br>AC-21B: 250 A AC 50/60 Hz 440/480 V<br>AC-21B: 250 A AC 50/60 Hz 500 V<br>AC-21B: 250 A AC 50/60 Hz 660/690 V<br>AC-22B: 250 A AC 50/60 Hz 220/240 V<br>AC-22B: 250 A AC 50/60 Hz 380/415 V<br>AC-22B: 250 A AC 50/60 Hz 440/480 V<br>AC-22B: 250 A AC 50/60 Hz 500 V<br>AC-22B: 250 A AC 50/60 Hz 660/690 V<br>AC-23B: 250 A AC 50/60 Hz 220/240 V<br>AC-23B: 250 A AC 50/60 Hz 380/415 V<br>DC-21B: 250 A DC 220 V 3 poles in series<br>DC-21B: 250 A DC 440 V 3 poles in series<br>DC-22B: 250 A DC 220 V 3 poles in series |
| [Im] rated making and breaking capacity | Icn 80000 A at 415 V<br>Icn 80000 A at 500 V<br>Icn 80000 A at 690 V<br>Icm 15000 A at 415 V<br>Icm 15000 A at 500 V<br>Icm 15000 A at 690 V<br>In 250 A at 415 V<br>In 250 A at 500 V<br>In 250 A at 690 V                                                                                                                                                                                                                                                                                                                                                                                                  |
| Suitability for isolation               | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Visible break                           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Contact operation                       | Single-break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mechanical durability                   | 1600 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Electrical durability                   | AC-21B: 200 cycles 690 V AC 50/60 Hz<br>AC-23B: 200 cycles 415 V AC 50/60 Hz<br>AC-22B: 200 cycles 690 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Electrical shock protection class       | Class II front face                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Colour code                             | RAL 7016 handle<br>RAL 7035 chassis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Provision for padlocking                | Lead seal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mounting position                       | Vertical<br>Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mounting mode                           | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mounting support                        | Busbars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mounting location                       | Side by side                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Design                                  | Horizontal design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Connections terminals                   | Hook-on and screw connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Connections - terminals                 | Screw connection downstream M10 250 A<br>Hook-on upstream 250 A 60 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tightening torque                       | 6 N.m for terminal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| Height                                | 306 mm                                          |
| Width                                 | 184 mm                                          |
| Depth                                 | 110 mm                                          |
| Standards                             | EN/IEC 60947-3<br>IEC 60269-2<br>EN/IEC 60947-1 |
| Product certifications                | CE<br>EAC<br>CCC                                |
| IP degree of protection               | IP3x 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 | -25...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 Weight             | 2.78 kg  |
| Package 1 Height             | 15.3 cm  |
| Package 1 width              | 20 cm    |
| Package 1 Length             | 35.1 cm  |
| Unit Type of Package 2       | S04      |
| Number of Units in Package 2 | 3        |
| Package 2 Weight             | 8.9 kg   |
| Package 2 Height             | 30 cm    |
| Package 2 width              | 40 cm    |
| Package 2 Length             | 60 cm    |
| Unit Type of Package 3       | P12      |
| Number of Units in Package 3 | 36       |
| Package 3 Weight             | 117.7 kg |
| Package 3 Height             | 74.5 cm  |
| Package 3 width              | 80 cm    |
| Package 3 Length             | 120 cm   |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>               |
| REACH free of SVHC         | Yes                                                                                                                               |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                               |
| Mercury free               | Yes                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |