



### Main

|                             |                          |
|-----------------------------|--------------------------|
| Range of product            | INF100...160             |
| Range                       | FuPact                   |
| Product name                | Fupact INF               |
| Device short name           | INFB100                  |
| Product or component type   | Switch-disconnector-fuse |
| Device application          | Protection               |
| Poles description           | 4P                       |
| Protected poles description | 3f                       |
| Fuse type                   | BS                       |
| Fuse size                   | A2<br>A3<br>A4           |
| Network type                | AC<br>DC                 |
| Network frequency           | 50/60 Hz                 |

### Complementary

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                    | Without handle                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Rotary handle mounting location | Front                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rotary handle mounting style    | Extended<br>Direct                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Provision for padlocking        | Padlockable                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mounting mode                   | Vertical - horizontal                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mounting support                | DIN rail, with specific accessories<br>Mounting plate                                                                                                                                                                                                                                                                                                                                                                                          |
| [Ie] rated operational current  | AC-22A: 100 A AC 50/60 Hz 220/240 V<br>AC-22A: 100 A AC 50/60 Hz 380/415 V<br>AC-22A: 100 A AC 50/60 Hz 440/480 V<br>AC-22A: 100 A AC 50/60 Hz 500/525 V<br>AC-22A: 100 A AC 50/60 Hz 660/690 V<br>AC-23A: 100 A AC 50/60 Hz 220/240 V<br>AC-23A: 100 A AC 50/60 Hz 380/415 V<br>AC-23A: 100 A AC 50/60 Hz 440/480 V<br>AC-23A: 100 A AC 50/60 Hz 500/525 V<br>DC-21B: 100 A DC 440 V 4 poles in series<br>AC-23A: 100 A AC 50/60 Hz 660/690 V |

DC-23B: 100 A DC 220 V 2 poles in series  
DC-22B: 100 A DC 220 V 2 poles in series

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ith] conventional free air thermal current  | 100 A ( 40 °C ) vertical<br>80 A ( 60 °C ) vertical<br>85 A ( 55 °C ) vertical<br>71 A ( 70 °C ) horizontal<br>76 A ( 65 °C ) horizontal<br>71 A ( 70 °C ) vertical<br>80 A ( 60 °C ) horizontal<br>76 A ( 65 °C ) vertical<br>85 A ( 55 °C ) horizontal<br>89 A ( 50 °C ) horizontal<br>89 A ( 50 °C ) vertical<br>93 A ( 45 °C ) horizontal<br>96 A ( 40 °C ) horizontal<br>93 A ( 45 °C ) vertical<br>100 A ( 35 °C ) horizontal   |
| [Ithe] conventional enclosed thermal current | 100 A at 40 °C, Power dissipation per fuse: 12 W (300 mm x 350 mm x 200 mm)                                                                                                                                                                                                                                                                                                                                                           |
| Maximum power                                | 30 kW at 220/240 V AC 50/60 Hz<br>45 kW at 380/400 V AC 50/60 Hz<br>55 kW at 415 V AC 50/60 Hz<br>60 kW at 500/525 V AC 50/60 Hz<br>90 kW at 660/690 V AC 50/60 Hz                                                                                                                                                                                                                                                                    |
| Rated duty                                   | Uninterrupted                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Intermittent duty class                      | Class 120 - 60 %                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [Ui] rated insulation voltage                | 1000 V AC 50/60 Hz<br>1000 V DC                                                                                                                                                                                                                                                                                                                                                                                                       |
| [Uimp] rated impulse withstand voltage       | 12 kV                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| [Ue] rated operational voltage               | 690 V AC 50/60 Hz<br>690 V AC 50/60 Hz AC-20<br>690 V DC DC-20<br>500 V DC                                                                                                                                                                                                                                                                                                                                                            |
| [Im] rated making and breaking capacity      | Icm 105 kA at 690 V conforming to DIN (with fuse)<br>Icm 176 kA at 415 V conforming to BS (with fuse)<br>Icm 220 kA at 500 V conforming to DIN (with fuse)<br>Icn 100 kA at 500 V conforming to DIN (with fuse)<br>Icn 50 kA at 690 V conforming to DIN (with fuse)<br>Icn 80 kA at 415 V conforming to BS (with fuse)<br>Icm 15 kA at 690 V (without fuse)<br>Icm 22 kA at 415 V (without fuse)<br>Icm 22 kA at 500 V (without fuse) |
| Suitability for isolation                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Contact position indicator                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Visible break                                | No                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Contact operation                            | Double-break                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Environment

|                                          |                                                                                                                                                                  |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical durability                    | 10000 cycles                                                                                                                                                     |
| Electrical durability                    | AC-22A: 1500 cycles 500 V AC 50/60 Hz<br>AC-22A: 1500 cycles 690 V AC 50/60 Hz<br>AC-23A: 1500 cycles 500 V AC 50/60 Hz<br>AC-23A: 1500 cycles 690 V AC 50/60 Hz |
| [Icw] rated short-time withstand current | 5 kA for 1 s<br>0.95 kA for 30 s<br>1.15 kA for 20 s<br>2.9 kA for 3 s                                                                                           |
| Design                                   | Horizontal design                                                                                                                                                |
| Connections terminals                    | Screw connection                                                                                                                                                 |
| Connections - terminals                  | Screw connection M8 100 A                                                                                                                                        |
| Tightening torque                        | 15...22 N.m for terminal                                                                                                                                         |
| Height                                   | 140 mm                                                                                                                                                           |
| Width                                    | 183 mm                                                                                                                                                           |
| Depth                                    | 114.5 mm                                                                                                                                                         |

|                                       |                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-5<br>EN/IEC 60269-1<br>EN/IEC 60947-3<br>EN/IEC 60947-1<br>EN/IEC 60269-4 |
| Product certifications                | CCC                                                                                    |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP65 conforming to IEC 60529                           |
| IK degree of protection               | IK07 conforming to EN 50102<br>IK10 conforming to EN 50102                             |
| Pollution degree                      | 3                                                                                      |
| Ambient air temperature for operation | -25...70 °C                                                                            |
| Ambient air temperature for storage   | -50...85 °C                                                                            |

### Offer Sustainability

|                            |                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                           |
| REACH free of SVHC         | Yes                                                                                                         |
| EU RoHS Directive          | Compliant<br><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><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|