

# Product datasheet

Specifications



## Switch-disconnector fuse body INFD 4 poles 3F - DIN - 250 A- lateral handle

49551

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

### Main

|                             |                          |
|-----------------------------|--------------------------|
| Range Of Product            | INF200...800             |
| Range                       | FuPact                   |
| Product Name                | Fupact INF               |
| Device Short Name           | INFD250                  |
| Product Or Component Type   | Switch-disconnector-fuse |
| Device Application          | Protection               |
| Poles Description           | 4P                       |
| Protected Poles Description | 3f                       |
| Fuse Type                   | DIN                      |
| Fuse Size                   | NH1<br>NH0               |
| Network Type                | AC<br>DC                 |
| Network Frequency           | 50/60 Hz                 |

### Complementary

|                                 |                |
|---------------------------------|----------------|
| Control Type                    | Rotary handle  |
| Rotary Handle Mounting Location | Lateral        |
| Rotary Handle Mounting Style    | Extended       |
| Handle Colour                   | Black          |
| Handle Front Plate Colour       | Black          |
| Provision For Padlocking        | 3 padlocks     |
| Mounting Support                | Mounting plate |

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

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ie] Rated Operational Current               | AC-22A: 250 A at 220/240 V AC 50/60 Hz<br>AC-22A: 250 A at 380/415 V AC 50/60 Hz<br>AC-22A: 250 A at 440/480 V AC 50/60 Hz<br>AC-22A: 250 A at 500/525 V AC 50/60 Hz<br>AC-22A: 250 A at 660/690 V AC 50/60 Hz<br>AC-23A: 250 A at 220/240 V AC 50/60 Hz<br>AC-23A: 250 A at 380/415 V AC 50/60 Hz<br>AC-23A: 250 A at 440/480 V AC 50/60 Hz<br>AC-23A: 250 A at 500/525 V AC 50/60 Hz<br>AC-23A: 250 A at 660/690 V AC 50/60 Hz<br>DC-22A: 250 A at 125 V DC (2 poles in series)<br>DC-22A: 250 A at 250 V DC (2 poles in series)<br>DC-22A: 250 A at 500 V DC (3 poles in series)<br>DC-22A: 250 A at 750 V DC (3 poles in series)<br>DC-23A: 250 A at 125 V DC (2 poles in series)<br>DC-23A: 250 A at 250 V DC (2 poles in series)<br>DC-23A: 250 A at 500 V DC (3 poles in series)<br>DC-23A: 250 A at 750 V DC (3 poles in series) |
| [Ith] Conventional Free Air Thermal Current  | 161 A ( 70 °C ) horizontal<br>172 A ( 65 °C ) horizontal<br>175 A ( 70 °C ) vertical<br>184 A ( 60 °C ) horizontal<br>187 A ( 65 °C ) vertical<br>195 A ( 55 °C ) horizontal<br>200 A ( 60 °C ) vertical<br>207 A ( 50 °C ) horizontal<br>212 A ( 55 °C ) vertical<br>218 A ( 45 °C ) horizontal<br>225 A ( 50 °C ) vertical<br>230 A ( 40 °C ) horizontal<br>237 A ( 45 °C ) vertical<br>242 A ( 35 °C ) horizontal<br>250 A ( 40 °C ) power dissipation per fuse: 32 W<br>250 A ( 40 °C ) vertical                                                                                                                                                                                                                                                                                                                                     |
| [Ithe] Conventional Enclosed Thermal Current | 230 A at 40 °C, Power dissipation per fuse: 27 W (600 mm x 350 mm x 300 mm)<br>250 A at 40 °C, Power dissipation per fuse: 23 W (600 mm x 350 mm x 300 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Maximum Power                                | 132 kW at 380/400 V AC 50/60 Hz<br>140 kW at 415 V AC 50/60 Hz<br>170 kW at 500/525 V AC 50/60 Hz<br>230 kW at 660/690 V AC 50/60 Hz<br>70 kW at 220/240 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>1000 V AC 50/60 Hz AC-20<br>1000 V DC DC-20<br>750 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 35 kA at 690 V (without fuse)<br>Icm 40 kA at 415 V (without fuse)<br>Icm 40 kA at 500 V (without fuse)                                                                                                                                                                                                                                                                                                                                                                                                    |
| Suitability For Isolation                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Contact Position Indicator                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Contact Operation                            | Double-break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Environment

|                       |             |
|-----------------------|-------------|
| Mechanical Durability | 8000 cycles |
|-----------------------|-------------|

|                                          |                                                                                                                                                                  |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability                    | AC-22A: 1000 cycles 500 V AC 50/60 Hz<br>AC-22A: 1000 cycles 690 V AC 50/60 Hz<br>AC-23A: 1000 cycles 500 V AC 50/60 Hz<br>AC-23A: 1000 cycles 690 V AC 50/60 Hz |
| [Icw] Rated Short-Time Withstand Current | 8 kA for 1 s<br>1.5 kA for 30 s<br>1.8 kA for 20 s<br>4.65 kA for 3 s                                                                                            |
| Design                                   | Horizontal design                                                                                                                                                |
| Tightening Torque                        | 30...44 N.m for terminal                                                                                                                                         |
| Height                                   | 162 mm                                                                                                                                                           |
| Width                                    | 340 mm                                                                                                                                                           |
| Depth                                    | 199 mm                                                                                                                                                           |
| Standards                                | EN/IEC 60947-3<br>EN/IEC 60269-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5<br>EN/IEC 60269-4                                                                           |
| Product Certifications                   | KEMA-KEUR                                                                                                                                                        |
| 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                                                                                                                                                      |

## Contractual warranty

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