



### Main

|                             |                          |
|-----------------------------|--------------------------|
| Range of product            | INF100...160             |
| Range                       | Fupact                   |
| Product name                | Fupact INF               |
| Device short name           | INF3D160                 |
| Product or component type   | Switch-disconnector-fuse |
| Device application          | Protection               |
| Poles description           | 3P                       |
| Protected poles description | 3f                       |
| Fuse type                   | DIN                      |
| Fuse size                   | NH00<br>NH000            |
| Network type                | AC<br>DC                 |
| Network frequency           | 50/60 Hz                 |

### Complementary

|                                 |  |
|---------------------------------|--|
| Control type                    | Without handle   |
| Rotary handle mounting location | Lateral  |
| Rotary handle mounting style    | Extended   |
| Mounting support                | Mounting plate<br>DIN rail with specific accessories   |
| [Ie] rated operational current  | DC-22A : 160 A DC 125 V 2 poles in series<br>AC-22A : 160 A AC 50/60 Hz 440/480 V<br>AC-22A : 160 A AC 50/60 Hz 660/690 V<br>AC-22A : 160 A AC 50/60 Hz 220/240 V<br>AC-22A : 160 A AC 50/60 Hz 380/415 V<br>AC-23A : 160 A AC 50/60 Hz 440/480 V<br>AC-23A : 160 A AC 50/60 Hz 380/415 V<br>AC-22A : 160 A AC 50/60 Hz 500/525 V<br>AC-23A : 160 A AC 50/60 Hz 500/525 V<br>AC-23A : 160 A AC 50/60 Hz 220/240 V<br>DC-23A : 160 A DC 250 V 2 poles in series<br>DC-23A : 160 A DC 125 V 2 poles in series<br>DC-23A : 100 A DC 500 V 4 poles in series<br>DC-22A : 160 A DC 250 V 2 poles in series<br>DC-22A : 100 A DC 500 V 4 poles in series<br>AC-23B : 160 A AC 50/60 Hz 660/690 V |

|  |  |
|--|--|
| [Ith] conventional free air thermal current  | 103 A ( 70 °C ) horizontal<br>111 A ( 65 °C ) horizontal<br>112 A ( 70 °C ) vertical<br>118 A ( 60 °C ) horizontal<br>120 A ( 65 °C ) vertical<br>126 A ( 55 °C ) horizontal<br>128 A ( 60 °C ) vertical<br>133 A ( 50 °C ) horizontal<br>136 A ( 55 °C ) vertical<br>140 A ( 45 °C ) horizontal<br>144 A ( 50 °C ) vertical<br>148 A ( 40 °C ) horizontal<br>152 A ( 45 °C ) vertical<br>156 A ( 35 °C ) horizontal<br>160 A ( 40 °C ) power dissipation per fuse: 12 W<br>160 A ( 40 °C ) vertical |
| [Ithe] conventional enclosed thermal current | 135 A ( 40 °C ) / Power dissipation per fuse: 12 W 300 mm x 350 mm x 200 mm<br>160 A ( 40 °C ) / Power dissipation per fuse: 10 W 300 mm x 350 mm x 200 mm   |
| Maximum power                                | 110 kW 500/525 V AC 50/60 Hz<br>132 kW 660/690 V AC 50/60 Hz<br>45 kW 220/240 V AC 50/60 Hz<br>80 kW 380/400 V AC 50/60 Hz<br>90 kW 415 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               | 500 V DC<br>690 V AC 50/60 Hz<br>690 V AC 50/60 Hz AC-20<br>690 V DC DC-20   |
| [Im] rated making and breaking capacity      | Icm 105 kA conforming to DIN 690 V with fuse<br>Icm 15 kA 690 V without fuse<br>Icm 176 kA conforming to BS 415 V with fuse<br>Icm 22 kA 415 V without fuse<br>Icm 22 kA 500 V without fuse<br>Icm 220 kA conforming to DIN 500 V with fuse<br>Icn 100 kA conforming to DIN 500 V with fuse<br>Icn 50 kA conforming to DIN 690 V with fuse<br>Icn 80 kA conforming to BS 415 V with fuse   |
| Suitability for isolation                    | Yes  |
| Contact position indicator                   | Yes  |
| 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 ( 1 s )<br>0.95 kA ( 30 s )<br>1.15 kA ( 20 s )<br>2.9 kA ( 3 s )   |
| Design                                   | Horizontal design  |
| Tightening torque                        | Terminal : 15...22 N.m   |
| Height                                   | 140 mm   |
| Width                                    | 180 mm   |
| Depth                                    | 130 mm   |
| Standards                                | EN/IEC 60269-4<br>EN/IEC 60269-1<br>EN/IEC 60947-5<br>EN/IEC 60947-1<br>EN/IEC 60947-3   |

|                                       |  |
|---------------------------------------|--|
| 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  |
| Compatibility code                    | INF100...160   |

### Contractual warranty

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

|                     |                           |
|---------------------|---------------------------|
| Product Life Status | <b>END-OF-SALE NOTICE</b> |
|---------------------|---------------------------|

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