



## Main

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|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | Compact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product name                                | Compact INV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Poles description                           | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Network type                                | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network frequency                           | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Handle colour                               | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [Ie] rated operational current              | AC-21A: 160 A AC 50/60 Hz 220/240 V<br>AC-21A: 160 A AC 50/60 Hz 380/415 V<br>AC-21A: 160 A AC 50/60 Hz 440/480 V<br>AC-21A: 160 A AC 50/60 Hz 480 V NEMA<br>AC-21A: 160 A AC 50/60 Hz 500/525 V<br>AC-21A: 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-22A: 160 A AC 50/60 Hz 440/480 V<br>AC-22A: 160 A AC 50/60 Hz 480 V NEMA<br>AC-22A: 160 A AC 50/60 Hz 500/525 V<br>AC-22A: 160 A AC 50/60 Hz 660/690 V<br>AC-23A: 160 A AC 50/60 Hz 220/240 V<br>AC-23A: 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 480 V NEMA<br>AC-23A: 160 A AC 50/60 Hz 500/525 V<br>AC-23A: 160 A AC 50/60 Hz 660/690 V<br>DC-21A: 160 A DC 125 V 2 poles in series<br>DC-22A: 160 A DC 125 V 2 poles in series<br>DC-23B: 160 A DC 125 V 2 poles in series |
| [Ui] rated insulation voltage               | 750 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| [Uimp] rated impulse withstand voltage      | 8 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [Ith] conventional free air thermal current | 160 A at 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| [Icm] rated short-circuit making capacity | 30 kA switch-disconnector alone 690 V AC at 50/60 Hz<br>330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz |
| [Ue] rated operational voltage            | 125 V DC<br>690 V AC 50/60 Hz                                                                                                |
| Suitability for isolation                 | Yes                                                                                                                          |
| Contact position indicator                | Yes                                                                                                                          |
| Visible break                             | Yes                                                                                                                          |
| Pollution degree                          | 3                                                                                                                            |

## Complementary

|                                          |                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                             | Rotary handle                                                                                                                                                                                                                                                                                                      |
| Mounting mode                            | Fixed                                                                                                                                                                                                                                                                                                              |
| Mounting support                         | Rail<br>Plate                                                                                                                                                                                                                                                                                                      |
| Upside connection                        | Front                                                                                                                                                                                                                                                                                                              |
| Downside connection                      | Front                                                                                                                                                                                                                                                                                                              |
| Maximum power                            | AC-23: 110 kW at 500/525 V AC 50/60 Hz<br>AC-23: 45 kW at 220/240 V AC 50/60 Hz<br>AC-23: 45 kW at 230 V AC 50/60 Hz (NEMA)<br>AC-23: 50 kW at 480 V AC 50/60 Hz (NEMA)<br>AC-23: 75 kW at 380/415 V AC 50/60 Hz<br>AC-23: 90 kW at 440 V AC 50/60 Hz<br>AC-23: 90 kW at 660/690 V AC 50/60 Hz                     |
| Rated duty                               | Uninterrupted                                                                                                                                                                                                                                                                                                      |
| [Icw] rated short-time withstand current | 1.8 kA during 30 s conforming to IEC 60947-3<br>2.2 kA during 20 s conforming to IEC 60947-3<br>4.9 kA during 3 s conforming to IEC 60947-3<br>8.5 kA during 1 s conforming to IEC 60947-3                                                                                                                         |
| Mechanical durability                    | 15000 cycles                                                                                                                                                                                                                                                                                                       |
| Electrical durability                    | AC-22A: 1500 cycles 440 V AC 50/60 Hz<br>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 440 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<br>DC-22A: 1500 cycles 125 V DC<br>DC-23A: 1500 cycles 125 V DC |
| Connection pitch                         | 45 mm                                                                                                                                                                                                                                                                                                              |
| Height                                   | 136 mm                                                                                                                                                                                                                                                                                                             |
| Width                                    | 140 mm                                                                                                                                                                                                                                                                                                             |
| Depth                                    | 96 mm                                                                                                                                                                                                                                                                                                              |
| Product weight                           | 2 kg                                                                                                                                                                                                                                                                                                               |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-1<br>IEC 60947-3   |
| Product certifications                | CCC<br>KEMA-KEUR             |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to EN 50102  |
| Ambient air temperature for operation | -25...70 °C                  |
| Ambient air temperature for storage   | -50...85 °C                  |

## Offer Sustainability

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Sustainable offer status | Green Premium product                            |
| REACH Regulation         | <a href="#">REACH Declaration</a>                |
| EU RoHS Directive        | Compliant<br><a href="#">EU RoHS Declaration</a> |

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile        | No need of specific recycling operations                                                                                    |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

### Contractual warranty

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