



### Main

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|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | ComPact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product name                                | Compact INS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product or component type                   | Switch disconnector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Poles description                           | 4P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network type                                | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Network frequency                           | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [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 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 V<br>AC-23A: 63 A AC 50/60 Hz 660/690 V<br>DC-22A: 100 A DC 125 V 2 poles in series<br>DC-23A: 100 A DC 125 V 2 poles in series<br>DC-22A: 100 A DC 250 V 4 poles in series<br>DC-23A: 100 A DC 250 V 4 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 | 100 A at 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [Icm] rated short-circuit making capacity   | 154 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz<br>20 kA switch-disconnector alone 690 V AC at 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [Ue] rated operational voltage              | 250 V DC<br>690 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Suitability for isolation                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Contact position indicator                  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Visible break                               | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pollution degree                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### Complementary

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type            | Rotary handle                                                                                                                                                                                         |
| Handle colour           | Black                                                                                                                                                                                                 |
| Mounting mode           | Fixed                                                                                                                                                                                                 |
| Mounting support        | DIN rail<br>Plate                                                                                                                                                                                     |
| Upside connection       | Front                                                                                                                                                                                                 |
| Downside connection     | Front                                                                                                                                                                                                 |
| Maximum power           | AC-23: 22 kW at 220/240 V AC 50/60 Hz<br>AC-23: 45 kW at 380/415 V AC 50/60 Hz<br>AC-23: 55 kW at 440 V AC 50/60 Hz<br>AC-23: 55 kW at 500/525 V AC 50/60 Hz<br>AC-23: 55 kW at 660/690 V AC 50/60 Hz |
| Rated duty              | Uninterrupted                                                                                                                                                                                         |
| Intermittent duty class | Class 120 - 60 %                                                                                                                                                                                      |

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure dimensions for Ithe            | 260 mm x 160 mm x 55 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Icw] rated short-time withstand current | 0.01 kA during 30 s conforming to IEC 60947-3<br>1.23 kA during 20 s conforming to IEC 60947-3<br>3.175 kA during 3 s conforming to IEC 60947-3<br>5.5 kA during 1 s conforming to IEC 60947-3                                                                                                                                                                                                                                                                                                                                             |
| Mechanical durability                    | 15000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electrical durability                    | AC-22A: 1500 cycles 220/240 V AC 50/60 Hz<br>AC-22A: 1500 cycles 380/415 V AC 50/60 Hz<br>AC-22A: 1500 cycles 440 V AC 50/60 Hz<br>AC-22A: 1500 cycles 500 V AC 50/60 Hz<br>AC-23A: 1500 cycles 220/240 V AC 50/60 Hz<br>AC-23A: 1500 cycles 380/415 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>DC-22A: 1500 cycles 250 V DC 4 poles in series<br>DC-23A: 1500 cycles 250 V DC 4 poles in series<br>AC-22A: 1500 cycles 690 V AC 50/60 Hz<br>AC-23A: 1500 cycles 690 V AC 50/60 Hz |
| Connection pitch                         | 30 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Height                                   | 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Width                                    | 135 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Depth                                    | 62.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Net weight                               | 0.9 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-1<br>IEC 60947-3   |
| Product certifications                | KEMA-KEUR<br>CCC             |
| 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                  |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Weight             | 1.13 kg    |
| Package 1 Height             | 13.4 cm    |
| Package 1 width              | 11.2 cm    |
| Package 1 Length             | 15.5 cm    |
| Unit Type of Package 2       | S04        |
| Number of Units in Package 2 | 20         |
| Package 2 Weight             | 23.732 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 | 80         |
| Package 3 Weight             | 106.344 kg |
| Package 3 Height             | 80 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 |

## Contractual warranty

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