



## Main

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| Range                                       | Compact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product or component type                   | Switch disconnecter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product name                                | Compact INS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Poles description                           | 4P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Network type                                | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Network frequency                           | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ie] rated operational current              | 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-22A: 160 A DC 125 V 2 poles in series<br>DC-22A: 160 A DC 250 V 4 poles in series<br>DC-23A: 160 A DC 125 V 2 poles in series<br>DC-23A: 160 A DC 250 V 4 poles in series |
| [Ui] rated insulation voltage               | 750 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [Ith] conventional free air thermal current | 160 A at 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [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              | 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

|                                                       |                                                                                                                                                                                                                                                                                                                                                        |
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| Control type                                          | Red and yellow rotary handle                                                                                                                                                                                                                                                                                                                           |
| Handle colour                                         | Red                                                                                                                                                                                                                                                                                                                                                    |
| 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: 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 480 V AC 50/60 Hz (NEMA)<br>AC-23: 90 kW at 660/690 V AC 50/60 Hz                                                         |
| Rated duty                                            | Uninterrupted                                                                                                                                                                                                                                                                                                                                          |
| [I <sub>cw</sub> ] 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 250 V DC 4 poles in series<br>DC-23A: 1500 cycles 250 V DC 4 poles in series |
| Connection pitch                                      | 35 mm                                                                                                                                                                                                                                                                                                                                                  |
| Height                                                | 136 mm                                                                                                                                                                                                                                                                                                                                                 |
| Width                                                 | 140 mm                                                                                                                                                                                                                                                                                                                                                 |
| Depth                                                 | 96 mm                                                                                                                                                                                                                                                                                                                                                  |
| Product weight                                        | 2.2 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

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 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                                                                              |

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|------|-----------------------------------------------------------------------------------------------------------------------------|
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
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### Contractual warranty

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| Warranty | 18 months |
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