



## Main

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| Range                                       | Compact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product name                                | Compact INS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product or component type                   | Switch disconnecter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Poles description                           | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Network type                                | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Network frequency                           | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| [Ie] rated operational current              | AC-21A: 1000 A AC 50/60 Hz 220/240 V<br>AC-21A: 1000 A AC 50/60 Hz 380/415 V<br>AC-21A: 1000 A AC 50/60 Hz 440/480 V<br>AC-21A: 1000 A AC 50/60 Hz 480 V NEMA<br>AC-21A: 1000 A AC 50/60 Hz 500/525 V<br>AC-21A: 1000 A AC 50/60 Hz 660/690 V<br>AC-22A: 1000 A AC 50/60 Hz 220/240 V<br>AC-22A: 1000 A AC 50/60 Hz 380/415 V<br>AC-22A: 1000 A AC 50/60 Hz 440/480 V<br>AC-22A: 1000 A AC 50/60 Hz 480 V NEMA<br>AC-22A: 1000 A AC 50/60 Hz 500/525 V<br>AC-22A: 1000 A AC 50/60 Hz 660/690 V<br>AC-23A: 1000 A AC 50/60 Hz 220/240 V<br>AC-23A: 1000 A AC 50/60 Hz 380/415 V<br>AC-23A: 1000 A AC 50/60 Hz 440/480 V<br>AC-23A: 1000 A AC 50/60 Hz 480 V NEMA<br>AC-23A: 1000 A AC 50/60 Hz 500/525 V<br>AC-23A: 1000 A AC 50/60 Hz 660/690 V<br>DC-21A: 1000 A DC 125 V 2 poles in series<br>DC-22A: 1000 A DC 125 V 2 poles in series<br>DC-23B: 1000 A DC 125 V 2 poles in series |
| [Ui] rated insulation voltage               | 1000 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Uimp] rated impulse withstand voltage      | 12 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [Ith] conventional free air thermal current | 1000 A at 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| [Icm] rated short-circuit making capacity | 330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz<br>75 kA switch-disconnector alone 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                             | Direct front rotary handle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Handle colour                            | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mounting mode                            | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mounting support                         | Rail<br>Plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Upside connection                        | Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Downside connection                      | Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Maximum power                            | AC-23: 315 kW at 220/240 V AC 50/60 Hz<br>AC-23: 560 kW at 380/400 V AC 50/60 Hz<br>AC-23: 630 kW at 415 V AC 50/60 Hz<br>AC-23: 710 kW at 500/525 V AC 50/60 Hz<br>AC-23: 900 kW at 660/690 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rated duty                               | Uninterrupted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Intermittent duty class                  | Class 120 - 60 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Icw] rated short-time withstand current | 10 kA during 20 s conforming to IEC 60947-3<br>20 kA during 3 s conforming to IEC 60947-3<br>35 kA during 1 s conforming to IEC 60947-3<br>42 kA during 0.8 s conforming to IEC 60947-3<br>50 kA during 0.5 s conforming to IEC 60947-3<br>8 kA during 30 s conforming to IEC 60947-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mechanical durability                    | 3000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Electrical durability                    | AC-21A: 500 cycles 220/240 V AC 50/60 Hz<br>AC-21A: 500 cycles 380/415 V AC 50/60 Hz<br>AC-21A: 500 cycles 440/480 V AC 50/60 Hz<br>AC-21A: 500 cycles 500/525 V AC 50/60 Hz<br>AC-21A: 500 cycles 660/690 V AC 50/60 Hz<br>AC-22A: 500 cycles 220/240 V AC 50/60 Hz<br>AC-22A: 500 cycles 380/415 V AC 50/60 Hz<br>AC-22A: 500 cycles 440/480 V AC 50/60 Hz<br>AC-22A: 500 cycles 500/525 V AC 50/60 Hz<br>AC-22A: 500 cycles 660/690 V AC 50/60 Hz<br>AC-23A: 500 cycles 220/240 V AC 50/60 Hz<br>AC-23A: 500 cycles 380/415 V AC 50/60 Hz<br>AC-23A: 500 cycles 440/480 V AC 50/60 Hz<br>AC-23A: 500 cycles 500/525 V AC 50/60 Hz<br>AC-23A: 500 cycles 660/690 V AC 50/60 Hz<br>DC-21A: 500 cycles 125 V DC 2 poles in series<br>DC-22A: 500 cycles 125 V DC 2 poles in series<br>DC-23A: 500 cycles 125 V DC 2 poles in series |
| Connection pitch                         | 70 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Height                                   | 300 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Width                                    | 340 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Depth                                    | 146.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product weight                           | 14 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Environment

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|-------------------------|------------------------------|
| Standards               | IEC 60947-3<br>IEC 60947-1   |
| Product certifications  | 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        | <a href="#">End of Life Information</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 |
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