

# Product datasheet

Specifications



switch disconnecter, Compact  
INS630 , 630 A, standard version  
with black rotary handle, 3 poles

31114

## Main

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | ComPact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product or component type                   | Switch disconnecter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product name                                | ComPacT INS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Poles description                           | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Network type                                | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Network frequency                           | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| [Ie] rated operational current              | AC-22A: 630 A AC 50/60 Hz 220/240 V<br>AC-22A: 630 A AC 50/60 Hz 380/415 V<br>AC-22A: 630 A AC 50/60 Hz 440/480 V<br>AC-22A: 630 A AC 50/60 Hz 480 V NEMA<br>AC-22A: 630 A AC 50/60 Hz 500/525 V<br>AC-22A: 630 A AC 50/60 Hz 660/690 V<br>AC-23A: 630 A AC 50/60 Hz 220/240 V<br>AC-23A: 630 A AC 50/60 Hz 380/415 V<br>AC-23A: 630 A AC 50/60 Hz 440/480 V<br>AC-23A: 630 A AC 50/60 Hz 480 V NEMA<br>AC-23A: 630 A AC 50/60 Hz 500/525 V<br>AC-23A: 630 A AC 50/60 Hz 660/690 V<br>DC-22A: 550 A DC 125 V 2 poles in series<br>DC-23A: 550 A DC 125 V 2 poles in series<br>DC-23B: 630 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<br>8 kV conforming to IEC 60947-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| [Ith] conventional free air thermal current | 630 A at 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| [Icm] rated short-circuit making capacity   | 330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz<br>50 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  | Direct front rotary handle |
| Handle colour | Black                      |

|                                                 |                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mounting mode</b>                            | Fixed                                                                                                                                                                                                                                                                                                             |
| <b>Mounting support</b>                         | Rail<br>Plate                                                                                                                                                                                                                                                                                                     |
| <b>Upside connection</b>                        | Front                                                                                                                                                                                                                                                                                                             |
| <b>Downside connection</b>                      | Front                                                                                                                                                                                                                                                                                                             |
| <b>Maximum power</b>                            | AC-23: 200 kW at 220/240 V AC 50/60 Hz<br>AC-23: 200 kW at 230 V AC 50/60 Hz (NEMA)<br>AC-23: 315 kW at 380/415 V AC 50/60 Hz<br>AC-23: 375 kW at 480 V AC 50/60 Hz (NEMA)<br>AC-23: 400 kW at 440 V AC 50/60 Hz<br>AC-23: 400 kW at 500/525 V AC 50/60 Hz<br>AC-23: 560 kW at 660/690 V AC 50/60 Hz              |
| <b>Rated duty</b>                               | Uninterrupted                                                                                                                                                                                                                                                                                                     |
| <b>[Icw] rated short-time withstand current</b> | 11.5 kA during 3 s conforming to IEC 60947-3<br>20 kA during 1 s conforming to IEC 60947-3<br>4 kA during 30 s conforming to IEC 60947-3<br>4.9 kA during 20 s conforming to IEC 60947-3                                                                                                                          |
| <b>Mechanical durability</b>                    | 10000 cycles                                                                                                                                                                                                                                                                                                      |
| <b>Electrical durability</b>                    | 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-23A: 1000 cycles 125 V DC<br>DC-23B: 200 cycles 125 V DC |
| <b>Connection pitch</b>                         | 45 mm                                                                                                                                                                                                                                                                                                             |
| <b>Height</b>                                   | 205 mm                                                                                                                                                                                                                                                                                                            |
| <b>Width</b>                                    | 185 mm                                                                                                                                                                                                                                                                                                            |
| <b>Depth</b>                                    | 130 mm                                                                                                                                                                                                                                                                                                            |
| <b>Net weight</b>                               | 4.6 kg                                                                                                                                                                                                                                                                                                            |

## Environment

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

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Height</b>             | 19.2 cm  |
| <b>Package 1 Width</b>              | 19.2 cm  |
| <b>Package 1 Length</b>             | 22.4 cm  |
| <b>Package 1 Weight</b>             | 4.988 kg |
| <b>Unit Type of Package 2</b>       | S04      |
| <b>Number of Units in Package 2</b> | 4        |
| <b>Package 2 Height</b>             | 30 cm    |
| <b>Package 2 Width</b>              | 40 cm    |

|                              |           |
|------------------------------|-----------|
| Package 2 Length             | 60 cm     |
| Package 2 Weight             | 20.718 kg |
| Unit Type of Package 3       | P12       |
| Number of Units in Package 3 | 16        |
| Package 3 Height             | 50 cm     |
| Package 3 Width              | 80 cm     |
| Package 3 Length             | 120 cm    |
| Package 3 Weight             | 91.984 kg |

## 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                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| RoHS exemption information | Yes                                                                                                                         |
| 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 |
|----------|-----------|

## Recommended replacement(s)