

# Product datasheet

Specifications



## switch-disconnector Compact INS250 - 200 A - 4 poles

31103

### Main

|   |  |
|---|--|
| Range                                       | ComPact  |
| Product Or Component Type                   | Switch disconnector  |
| Product Name                                | ComPacT INS  |
| Poles Description                           | 4P   |
| Network Type                                | DC<br>AC   |
| Network Frequency                           | 50/60 Hz   |
| [Ie] Rated Operational Current              | AC-22A: 200 A AC 50/60 Hz 220/240 V<br>AC-22A: 200 A AC 50/60 Hz 380/415 V<br>AC-22A: 200 A AC 50/60 Hz 440/480 V<br>AC-22A: 200 A AC 50/60 Hz 480 V NEMA<br>AC-22A: 200 A AC 50/60 Hz 500/525 V<br>AC-22A: 200 A AC 50/60 Hz 660/690 V<br>AC-23A: 200 A AC 50/60 Hz 220/240 V<br>AC-23A: 200 A AC 50/60 Hz 380/415 V<br>AC-23A: 200 A AC 50/60 Hz 440/480 V<br>AC-23A: 200 A AC 50/60 Hz 480 V NEMA<br>AC-23A: 200 A AC 50/60 Hz 500/525 V<br>AC-23A: 200 A AC 50/60 Hz 660/690 V<br>DC-22A: 200 A DC 125 V 2 poles in series<br>DC-22A: 200 A DC 250 V 4 poles in series<br>DC-23A: 200 A DC 125 V 2 poles in series<br>DC-23A: 200 A DC 250 V 4 poles in series |
| [Ui] Rated Insulation Voltage               | 750 V AC 50/60 Hz  |
| [Ith] Conventional Free Air Thermal Current | 200 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

|                  |                            |
|------------------|----------------------------|
| Control Type     | Direct front rotary handle |
| Handle Colour    | Black                      |
| Mounting Mode    | Fixed                      |
| Mounting Support | Rail<br>Plate              |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|  |  |
|--|--|
| Upside Connection                        | Front  |
| Downside Connection                      | Front  |
| Maximum Power                            | AC-23: 110 kW at 440 V AC 50/60 Hz<br>AC-23: 110 kW at 480 V AC 50/60 Hz (NEMA)<br>AC-23: 132 kW at 500/525 V AC 50/60 Hz<br>AC-23: 160 kW at 660/690 V AC 50/60 Hz<br>AC-23: 55 kW at 220/240 V AC 50/60 Hz<br>AC-23: 55 kW at 230 V AC 50/60 Hz (NEMA)<br>AC-23: 90 kW at 380/415 V AC 50/60 Hz  |
| Rated Duty                               | Uninterrupted  |
| [Icw] Rated Short-Time Withstand Current | 1.8 kA during 30 s conforming to IEC 60947-3<br>2.2 kA during 20 s conforming to IEC 60947-3<br>4.9 kA during 3 s conforming to IEC 60947-3<br>8.5 kA during 1 s conforming to IEC 60947-3   |
| Mechanical Durability                    | 15000 cycles   |
| Electrical Durability                    | AC-22A: 1500 cycles 440 V AC 50/60 Hz<br>AC-22A: 1500 cycles 500 V AC 50/60 Hz<br>AC-22A: 1500 cycles 690 V AC 50/60 Hz<br>AC-23A: 1500 cycles 440 V AC 50/60 Hz<br>AC-23A: 1500 cycles 500 V AC 50/60 Hz<br>AC-23A: 1500 cycles 690 V AC 50/60 Hz<br>DC-22A: 1500 cycles 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  |
| Net Weight                               | 2.2 kg   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-3<br>IEC 60947-1   |
| 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 Height             | 17.000 cm |
| Package 1 Width              | 14.000 cm |
| Package 1 Length             | 15.900 cm |
| Package 1 Weight             | 2.000 kg  |
| Unit Type Of Package 2       | S04       |
| Number Of Units In Package 2 | 9         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 40.000 cm |

|                  |           |
|------------------|-----------|
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 22.504 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 12 months |
|----------|-----------|

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency   RoHS/REACH

## Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant with Exemptions   |
| 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>   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>   |