# Product datasheet

Specifications

Green Premium™

## switch disconnector, Compact INS40, 40A, standard version with black rotary handle, 3 poles

28900

## Main

| | |
|---|---|
| **Range** | ComPact |
| **Product Name** | ComPacT INS |
| **Product Or Component Type** | Switch disconnector |
| **Poles Description** | 3P |
| **Network Type** | DC<br>AC |
| **Network Frequency** | 50/60 Hz |
| **[Ie] Rated Operational Current** | AC-22A: 40 A AC 50/60 Hz 220/240 V<br>AC-22A: 40 A AC 50/60 Hz 380/415 V 2 poles in series<br>AC-22A: 40 A AC 50/60 Hz 440/480 V<br>AC-22A: 40 A AC 50/60 Hz 500 V<br>AC-23A: 32 A AC 50/60 Hz 500 V<br>AC-23A: 40 A AC 50/60 Hz 220/240 V<br>AC-23A: 40 A AC 50/60 Hz 380/415 V<br>AC-23A: 40 A AC 50/60 Hz 440/480 V<br>DC-22A: 40 A DC 50/60 Hz 125 V 2 poles in series<br>DC-23A: 40 A DC 125 V 2 poles in series |
| **[Ui] Rated Insulation Voltage** | 690 V AC 50/60 Hz |
| **[Uimp] Rated Impulse Withstand Voltage** | 8 kV |
| **[Ith] Conventional Free Air Thermal Current** | 40 A at 60 °C |
| **[Icm] Rated Short-Circuit Making Capacity** | 15 kA switch-disconnector alone 500 V AC at 50/60 Hz<br>75 kA with upstream protection circuit breaker 500 V AC at 50/60 Hz |
| **[Ue] Rated Operational Voltage** | 125 V DC<br>500 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 |

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

| | |
|---|---|
| **Cable Cross Section** | 1.5…50 mm² |
| **Maximum Power** | AC-23: 11 kW at 220/240 V AC 50/60 Hz<br>AC-23: 18.5 kW at 500/525 V AC 50/60 Hz<br>AC-23: 20 kW at 380/415 V AC 50/60 Hz<br>AC-23: 22 kW at 440 V AC 50/60 Hz |
| **Rated Duty** | Uninterrupted |
| **Intermittent Duty Class** | Class 120 - 60 % |
| **Enclosure Dimensions For Ithe** | 190 mm x 115 mm x 55 mm |
| **[Icw] Rated Short-Time Withstand Current** | 0.067 kA during 20 s conforming to IEC 60947-3<br>1.73 kA during 3 s conforming to IEC 60947-3<br>3 kA during 1 s conforming to IEC 60947-3<br>5.5 kA during 30 s conforming to IEC 60947-3 |
| **Mechanical Durability** | 20000 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 2 poles in series<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 50/60 Hz 2 poles in series<br>DC-23A: 1500 cycles 250 V DC 2 poles in series |
| **Connection Pitch** | 18 mm |
| **Height** | 85 mm |
| **Width** | 90 mm |
| **Depth** | 62.5 mm |
| **Net Weight** | 0.5 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 Height** | 9.5 cm |
| **Package 1 Width** | 9.5 cm |
| **Package 1 Length** | 9.5 cm |
| **Package 1 Weight** | 600 g |
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 18 |
| **Package 2 Height** | 30 cm |

| | |
|---|---|
| **Package 2 Width** | 30 cm |
| **Package 2 Length** | 40 cm |
| **Package 2 Weight** | 11.21 kg |
| **Unit Type Of Package 3** | P12 |
| **Number Of Units In Package 3** | 144 |
| **Package 3 Height** | 50 cm |
| **Package 3 Width** | 80 cm |
| **Package 3 Length** | 120 cm |
| **Package 3 Weight** | 102.872 kg |

## Contractual warranty

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|---|---|
| **Warranty** | 18 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-$CO_2$ products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

| | |
|---|---|
| Reach Free Of Svhc | |
| Toxic Heavy Metal Free | |
| Mercury Free | |
| Rohs Exemption Information | Yes |

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | End of Life Information |