

Product datasheet

Specifications



switch disconnecter, Compact
INV2000, visible break, 2000A,
standard version with black rotary
handle, 3 poles

31366

Main

| | |
|---|--|
| Range | ComPact |
| Product name | ComPacT INS |
| Product or component type | Switch disconnecter |
| Poles description | 3P |
| Network type | DC AC |
| Network frequency | 50/60 Hz |
| [Ie] rated operational current | AC-21B: 2000 A AC 50/60 Hz 220/240 V AC-21B: 2000 A AC 50/60 Hz 380/415 V AC-21B: 2000 A AC 50/60 Hz 440/480 V AC-21B: 2000 A AC 50/60 Hz 480 V NEMA AC-21B: 2000 A AC 50/60 Hz 500/525 V AC-21B: 2000 A AC 50/60 Hz 660/690 V AC-22B: 2000 A AC 50/60 Hz 220/240 V AC-22B: 2000 A AC 50/60 Hz 380/415 V AC-22B: 2000 A AC 50/60 Hz 440/480 V AC-22B: 2000 A AC 50/60 Hz 480 V NEMA AC-22B: 2000 A AC 50/60 Hz 500/525 V AC-22B: 2000 A AC 50/60 Hz 660/690 V DC-21B: 2000 A DC 125 V 2 poles in series DC-22B: 2000 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 | 2000 A at 60 °C |
| [Icm] rated short-circuit making capacity | 105 kA switch-disconnector alone 690 V AC at 50/60 Hz 330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz |
| [Ue] rated operational voltage | 250 V DC 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 | Plate Rail |
| Upside connection | Front |

| | |
|---|--|
| Downside connection | Front |
| Rated duty | Uninterrupted |
| Intermittent duty class | Class 120 - 60 % |
| [Icw] rated short-time withstand current | 50 kA during 0.5 s conforming to IEC 60947-3 11 kA during 30 s conforming to IEC 60947-3 13 kA during 20 s conforming to IEC 60947-3 30 kA during 3 s conforming to IEC 60947-3 50 kA during 0.8 s conforming to IEC 60947-3 50 kA during 1 s conforming to IEC 60947-3 |
| Mechanical durability | 3000 cycles |
| Electrical durability | AC-21B: 100 cycles 220/240 V AC 50/60 Hz AC-21B: 100 cycles 380/415 V AC 50/60 Hz AC-21B: 100 cycles 440/480 V AC 50/60 Hz AC-21B: 100 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21B: 100 cycles 500/525 V AC 50/60 Hz AC-21B: 100 cycles 660/690 V AC 50/60 Hz AC-22B: 100 cycles 220/240 V AC 50/60 Hz AC-22B: 100 cycles 380/415 V AC 50/60 Hz AC-22B: 100 cycles 440/480 V AC 50/60 Hz AC-22B: 100 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22B: 100 cycles 500/525 V AC 50/60 Hz AC-22B: 100 cycles 660/690 V AC 50/60 Hz DC-21B: 100 cycles 125 V DC 2 poles in series DC-22B: 100 cycles 125 V DC 2 poles in series |
| Connection pitch | 70 mm |
| Height | 440 mm |
| Width | 347.5 mm |
| Depth | 227.5 mm |
| Net weight | 35 kg |

Environment

| | |
|--|------------------------------|
| Standards | IEC 60947-1 IEC 60947-3 |
| 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 |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 20.000 cm |
| Package 1 Width | 61.000 cm |
| Package 1 Length | 59.000 cm |
| Package 1 Weight | 47.979 kg |

Contractual warranty

| | |
|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

| | |
|--|---|
| Total lifecycle Carbon footprint | 2 996 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Carbon footprint of the manufacturing phase [A1 to A3] | 92 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 28 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 5 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 2 845 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 27 kg CO2 eq. |

Use Better



Materials and Substances

| | |
|--|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards |
| SCIP Number | Ded05d05-4f5f-4bf4-9c36-fc766c616c8d |
| EU RoHS Directive | Compliant By Exemption |
| REACH Regulation | Reference contains Substances of Very High Concern above the threshold |

Use Longer



Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

Use Again



Repack and remanufacture

| | |
|---------------------------------|---|
| Recyclability potential, in % | 95 |
| End of life manual availability | End of Life Information |
| Take-back | No |
| WEEE Label |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |