

Product data sheet

Characteristics

31331

switch disconnecter, Compact INS800 , 800 A, standard version with black rotary handle, 4 poles



Main

| | |
|---|---|
| Range | ComPact |
| Product name | Compact INS |
| Product or component type | Switch disconnecter |
| Poles description | 4P |
| Network type | DC AC |
| Network frequency | 50/60 Hz |
| [Ie] rated operational current | AC-21A: 800 A AC 50/60 Hz 220/240 V AC-21A: 800 A AC 50/60 Hz 380/415 V AC-21A: 800 A AC 50/60 Hz 440/480 V AC-21A: 800 A AC 50/60 Hz 480 V NEMA AC-21A: 800 A AC 50/60 Hz 500/525 V AC-21A: 800 A AC 50/60 Hz 660/690 V AC-22A: 800 A AC 50/60 Hz 220/240 V AC-22A: 800 A AC 50/60 Hz 380/415 V AC-22A: 800 A AC 50/60 Hz 440/480 V AC-22A: 800 A AC 50/60 Hz 480 V NEMA AC-22A: 800 A AC 50/60 Hz 500/525 V AC-22A: 800 A AC 50/60 Hz 660/690 V AC-23A: 800 A AC 50/60 Hz 220/240 V AC-23A: 800 A AC 50/60 Hz 380/415 V AC-23A: 800 A AC 50/60 Hz 440/480 V AC-23A: 800 A AC 50/60 Hz 480 V NEMA AC-23A: 800 A AC 50/60 Hz 500/525 V AC-23A: 800 A AC 50/60 Hz 660/690 V DC-21A: 800 A DC 125 V 2 poles in series DC-22A: 800 A DC 125 V 2 poles in series DC-23A: 800 A DC 125 V 2 poles in series DC-21A: 800 A DC 250 V 4 poles in series DC-22A: 800 A DC 250 V 4 poles in series DC-23A: 800 A DC 250 V 4 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 | 800 A at 60 °C |
| [Icm] rated short-circuit making capacity | 330 KA with upstream protection circuit breaker 690 V AC at 50/60 Hz 75 kA switch-disconnector alone 690 V AC at 50/60 Hz |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz 250 V DC |
| Suitability for isolation | Yes |
| Contact position indicator | Yes |
| Visible break | No |
| Pollution degree | 3 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

| | |
|---|---|
| Control type | Direct front rotary handle |
| Handle colour | Black |
| Mounting mode | Fixed |
| Mounting support | Rail Plate |
| Upside connection | Front |
| Downside connection | Front |
| Maximum power | AC-23: 250 kW at 220/240 V AC 50/60 Hz AC-23: 400 kW at 380/400 V AC 50/60 Hz AC-23: 500 kW at 415 V AC 50/60 Hz AC-23: 560 kW at 500/525 V AC 50/60 Hz AC-23: 710 kW at 660/690 V AC 50/60 Hz |
| Rated duty | Uninterrupted |
| Intermittent duty class | Class 120 - 60 % |
| [I _{cw}] rated short-time withstand current | 10 kA during 20 s conforming to IEC 60947-3 20 kA during 3 s conforming to IEC 60947-3 35 kA during 1 s conforming to IEC 60947-3 42 kA during 0.8 s conforming to IEC 60947-3 50 kA during 0.5 s conforming to IEC 60947-3 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 AC-21A: 500 cycles 380/415 V AC 50/60 Hz AC-21A: 500 cycles 440/480 V AC 50/60 Hz AC-21A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21A: 500 cycles 500/525 V AC 50/60 Hz AC-21A: 500 cycles 660/690 V AC 50/60 Hz AC-22A: 500 cycles 220/240 V AC 50/60 Hz AC-22A: 500 cycles 380/415 V AC 50/60 Hz AC-22A: 500 cycles 440/480 V AC 50/60 Hz AC-22A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22A: 500 cycles 500/525 V AC 50/60 Hz AC-22A: 500 cycles 660/690 V AC 50/60 Hz AC-23A: 500 cycles 220/240 V AC 50/60 Hz AC-23A: 500 cycles 380/415 V AC 50/60 Hz AC-23A: 500 cycles 440/480 V AC 50/60 Hz AC-23A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23A: 500 cycles 500/525 V AC 50/60 Hz AC-23A: 500 cycles 660/690 V AC 50/60 Hz DC-21A: 500 cycles 125 V DC 2 poles in series DC-22A: 500 cycles 125 V DC 2 poles in series DC-23A: 500 cycles 125 V DC 2 poles in series DC-21A: 500 cycles 250 V DC 4 poles in series DC-22A: 500 cycles 250 V DC 4 poles in series DC-23A: 500 cycles 250 V DC 4 poles in series |
| Connection pitch | 70 mm |
| Height | 300 mm |
| Width | 410 mm |
| Depth | 146.5 mm |
| Net weight | 18 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 Weight | 18.7 kg |
| Package 1 Height | 21 cm |
| Package 1 width | 33.5 cm |
| Package 1 Length | 43 cm |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 1 |
| Package 2 Weight | 19.695 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 40 cm |
| Package 2 Length | 60 cm |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| 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 |
|----------|-----------|