

Product data sheet

Characteristics

28908

ComPact, Switch disconnecter, Compact INS100 , 100 A, standard version with black rotary handle, 3 poles



Main

| | |
|---|---|
| Range | ComPact |
| Product name | ComPact INS |
| Product or component type | Switch disconnecter |
| Poles description | 3P |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| [Ie] rated operational current | AC-22A: 100 A AC 50/60 Hz 220/240 V AC-22A: 100 A AC 50/60 Hz 380/415 V AC-22A: 100 A AC 50/60 Hz 440/480 V 2 poles in series AC-22A: 100 A AC 50/60 Hz 500 V 2 poles in series AC-22A: 100 A AC 50/60 Hz 660/690 V AC-23A: 100 A AC 50/60 Hz 220/240 V AC-23A: 100 A AC 50/60 Hz 380/415 V AC-23A: 100 A AC 50/60 Hz 440/480 V AC-23A: 100 A AC 50/60 Hz 500 V AC-23A: 63 A AC 50/60 Hz 660/690 V DC-22A: 100 A DC 50/60 Hz 125 V 2 poles in series DC-23A: 100 A DC 50/60 Hz 125 V 2 poles in series |
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ith] conventional free air thermal current | 100 A at 60 °C |
| [Icm] rated short-circuit making capacity | 154 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 20 kA switch-disconnector alone 690 V AC at 50/60 Hz |
| [Ue] rated operational voltage | 125 V DC 690 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 | Plate DIN rail |
| Upside connection | Front |
| Downside connection | Front |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

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| Maximum power | AC-23: 22 kW at 220/240 V AC 50/60 Hz AC-23: 45 kW at 380/415 V AC 50/60 Hz AC-23: 55 kW at 440 V AC 50/60 Hz AC-23: 55 kW at 500/525 V AC 50/60 Hz AC-23: 55 kW at 660/690 V AC 50/60 Hz |
| Rated duty | Uninterrupted |
| Intermittent duty class | Class 120 - 60 % |
| Enclosure dimensions for lthe | 260 mm x 160 mm x 55 mm |
| [Icw] rated short-time withstand current | 0.01 KA during 30 s conforming to IEC 60947-3 1.23 KA during 20 s conforming to IEC 60947-3 3.175 KA during 3 s conforming to IEC 60947-3 5.5 kA during 1 s conforming to IEC 60947-3 |
| Mechanical durability | 15000 cycles |
| Electrical durability | AC-22A: 1500 cycles 220/240 V AC 50/60 Hz AC-22A: 1500 cycles 380/415 V AC 50/60 Hz 2 poles in series AC-22A: 1500 cycles 440 V AC 50/60 Hz AC-22A: 1500 cycles 500 V AC 50/60 Hz AC-23A: 1500 cycles 220/240 V AC 50/60 Hz AC-23A: 1500 cycles 380/415 V AC 50/60 Hz AC-23A: 1500 cycles 440 V AC 50/60 Hz AC-23A: 1500 cycles 500 V AC 50/60 Hz DC-22A: 1500 cycles 250 V DC 50/60 Hz 2 poles in series DC-23A: 1500 cycles 250 V DC 50/60 Hz 2 poles in series AC-22A: 1500 cycles 690 V AC 50/60 Hz AC-23A: 1500 cycles 690 V AC 50/60 Hz 2 poles in series |
| Connection pitch | 30 mm |
| Height | 100 mm |
| Width | 135 mm |
| Depth | 62.5 mm |
| Net weight | 0.8 kg |

Environment

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|---------------------------------------|------------------------------|
| Standards | IEC 60947-3 IEC 60947-1 |
| Product certifications | CCC 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

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|------------------------------|------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 13.400 cm |
| Package 1 Width | 11.500 cm |
| Package 1 Length | 15.600 cm |
| Package 1 Weight | 1.022 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 20 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 40.000 cm |
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 23.822 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 80 |
| Package 3 Height | 43.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 120.000 cm |
| Package 3 Weight | 107.288 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| 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

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| Warranty | 18 months |
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