

Product data sheet

Specifications



switch disconnecter, Compact
INS630 , 630 A, standard version
with black rotary handle, 4 poles

31115

Main

| | |
|---|--|
| Range | ComPact |
| Product or component type | Switch disconnecter |
| Product name | ComPacT INS |
| Poles description | 4P |
| Network type | DC AC |
| Network frequency | 50/60 Hz |
| [Ie] rated operational current | AC-22A: 630 A AC 50/60 Hz 220/240 V AC-22A: 630 A AC 50/60 Hz 380/415 V AC-22A: 630 A AC 50/60 Hz 440/480 V AC-22A: 630 A AC 50/60 Hz 480 V NEMA AC-22A: 630 A AC 50/60 Hz 500/525 V AC-22A: 630 A AC 50/60 Hz 660/690 V AC-23A: 630 A AC 50/60 Hz 220/240 V AC-23A: 630 A AC 50/60 Hz 380/415 V AC-23A: 630 A AC 50/60 Hz 440/480 V AC-23A: 630 A AC 50/60 Hz 480 V NEMA AC-23A: 630 A AC 50/60 Hz 500/525 V AC-23A: 630 A AC 50/60 Hz 660/690 V DC-22A: 550 A DC 125 V 2 poles in series DC-22A: 550 A DC 250 V 4 poles in series DC-23A: 550 A DC 125 V 2 poles in series DC-23A: 550 A DC 250 V 4 poles in series DC-23B: 630 A DC 125 V 2 poles in series DC-23B: 630 A DC 250 V 4 poles in series |
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV 8 kV conforming to IEC 60947-3 |
| [Ith] conventional free air thermal current | 630 A at 60 °C |
| [Icm] rated short-circuit making capacity | 330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 50 kA switch-disconnector alone 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 | No |
| Pollution degree | 3 |

Complementary

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|--------------|----------------------------|
| Control type | Direct front rotary handle |
|--------------|----------------------------|

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|--|---|
| Handle colour | Black |
| Mounting mode | Fixed |
| Mounting support | Plate Rail |
| Upside connection | Front |
| Downside connection | Front |
| Maximum power | AC-23: 200 kW at 220/240 V AC 50/60 Hz AC-23: 200 kW at 230 V AC 50/60 Hz (NEMA) AC-23: 315 kW at 380/415 V AC 50/60 Hz AC-23: 375 kW at 480 V AC 50/60 Hz (NEMA) AC-23: 400 kW at 440 V AC 50/60 Hz AC-23: 400 kW at 500/525 V AC 50/60 Hz AC-23: 560 kW at 660/690 V AC 50/60 Hz |
| Rated duty | Uninterrupted |
| [Icw] rated short-time withstand current | 11.5 kA during 3 s conforming to IEC 60947-3 20 kA during 1 s conforming to IEC 60947-3 4 kA during 30 s conforming to IEC 60947-3 4.9 kA during 20 s conforming to IEC 60947-3 |
| Mechanical durability | 10000 cycles |
| Electrical durability | AC-22A: 1500 cycles 440 V AC 50/60 Hz AC-22A: 1500 cycles 500 V AC 50/60 Hz AC-22A: 1500 cycles 690 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 AC-23A: 1500 cycles 690 V AC 50/60 Hz DC-23A: 1000 cycles 250 V DC DC-23B: 200 cycles 250 V DC |
| Connection pitch | 45 mm |
| Height | 205 mm |
| Width | 185 mm |
| Depth | 130 mm |
| Net weight | 4.9 kg |

Environment

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|---------------------------------------|------------------------------|
| Standards | IEC 60947-1 IEC 60947-3 |
| Product certifications | KEMA-KEUR 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

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 19.000 cm |
| Package 1 Width | 19.600 cm |
| Package 1 Length | 22.600 cm |
| Package 1 Weight | 5.532 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 30.000 cm |

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|------------------------------|------------|
| Package 2 Width | 40.000 cm |
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 22.894 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 16 |
| Package 3 Height | 50.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 120.000 cm |
| Package 3 Weight | 103.576 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| 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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Recommended replacement(s)