

31101

switch-disconnector Compact INS250 - 100 A - 4 poles



Main

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|---|--|
| Range | Compact |
| Product or component type | Switch disconnector |
| Product name | Compact INS |
| Poles description | 4P |
| 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 500/525 V AC-23A : 100 A AC 50/60 Hz 660/690 V AC-23A : 100 A AC 50/60 Hz 480 V NEMA AC-22A : 100 A AC 50/60 Hz 380/415 V AC-23A : 100 A AC 50/60 Hz 500/525 V DC-23A : 100 A DC 250 V 4 poles in series AC-22A : 100 A AC 50/60 Hz 660/690 V AC-23A : 100 A AC 50/60 Hz 440/480 V DC-22A : 100 A DC 125 V 2 poles in series AC-23A : 100 A AC 50/60 Hz 380/415 V AC-23A : 100 A AC 50/60 Hz 220/240 V AC-22A : 100 A AC 50/60 Hz 440/480 V AC-22A : 100 A AC 50/60 Hz 480 V NEMA DC-22A : 100 A DC 250 V 4 poles in series DC-23A : 100 A DC 125 V 2 poles in series |
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz |
| [Ith] conventional free air thermal current | 100 A (60 °C) |
| [Icm] rated short-circuit making capacity | 30 kA 690 V AC 50/60 Hz switch-disconnector alone 330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker |
| [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

| | |
|--|---|
| Control type | Direct front rotary handle |
| Handle colour | Black |
| Mounting mode | Fixed |
| Mounting support | Plate Rail |
| Upside connection | Front |
| Downside connection | Front |
| Maximum power | AC-23 : 55 kW 440 V AC 50/60 Hz AC-23 : 22 kW 220/240 V AC 50/60 Hz AC-23 : 22 kW 230 V NEMA AC 50/60 Hz AC-23 : 45 kW 380/415 V AC 50/60 Hz AC-23 : 55 kW 480 V NEMA AC 50/60 Hz AC-23 : 55 kW 500/525 V AC 50/60 Hz AC-23 : 55 kW 660/690 V AC 50/60 Hz |
| Rated duty | Uninterrupted |
| [Icw] rated short-time withstand current | 1.8 kA (30 s) conforming to IEC 60947-3 2.2 kA (20 s) conforming to IEC 60947-3 4.9 kA (3 s) conforming to IEC 60947-3 8.5 kA (1 s) conforming to IEC 60947-3 |

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|-----------------------|--|
| Mechanical durability | 15000 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-22A : 1500 cycles 250 V DC 4 poles in series DC-23A : 1500 cycles 250 V DC 4 poles in series |
| Connection pitch | 35 mm |
| Height | 136 mm |
| Width | 140 mm |
| Depth | 96 mm |
| Product weight | 2.2 kg |

Environment

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|---------------------------------------|------------------------------|
| standards | IEC 60947-1 IEC 60947-3 |
| 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 |