



Main

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| Range of product | INS250 |
| Range | Compact |
| Device short name | INS250 |
| Product or component type | Changeover switch |
| Device application | Change source of supply |
| Range compatibility | Compact - Compact INS INS250 switch disconnecter |
| Poles description | 4P |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| Mounting mode | Fixed |
| Upside connection | Front |
| Downside connection | Front |
| Suitability for isolation | Yes |
| Contact position indicator | Yes |
| [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 |

Complementary

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|--------------------------------|---|
| Transfer switch class | PC |
| Number of contact position | 3 |
| Control type | Direct front rotary handle |
| Mounting support | Plate Rail |
| Locking options description | Padlocking in OFF position |
| [Ie] rated operational current | DC-22A : 160 A DC 125 V 2 poles in series AC-22A : 160 A AC 50/60 Hz 440/480 V AC-22A : 160 A AC 50/60 Hz 660/690 V AC-22A : 160 A AC 50/60 Hz 220/240 V AC-22A : 160 A AC 50/60 Hz 380/415 V AC-23A : 160 A AC 50/60 Hz 440/480 V AC-23A : 160 A AC 50/60 Hz 380/415 V AC-22A : 160 A AC 50/60 Hz 500/525 V AC-23A : 160 A AC 50/60 Hz 500/525 V AC-23A : 160 A AC 50/60 Hz 220/240 V |

Disclaimer: 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

AC-23A : 160 A AC 50/60 Hz 480 V NEMA
 DC-23A : 160 A DC 250 V 4 poles in series
 AC-23A : 160 A AC 50/60 Hz 660/690 V
 DC-22A : 160 A DC 250 V 4 poles in series
 AC-22A : 160 A AC 50/60 Hz 480 V NEMA
 DC-23A : 160 A DC 125 V 2 poles in series

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| [Ith] conventional free air thermal current | 160 A (60 °C) |
| Rated duty | Uninterrupted |
| Intermittent duty class | Class 120 - 60 % |
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ue] rated operational voltage | 250 V DC conforming to IEC 60947-3 690 V AC 50/60 Hz conforming to IEC 60947-3 750 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC conforming to IEC 60947-3 |
| Mechanical interlocking | With mechanical interlocking |
| 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 125 V DC 2 poles in series DC-22A : 1500 cycles 250 V DC 4 poles in series DC-23A : 1500 cycles 125 V DC 2 poles in series DC-23A : 1500 cycles 250 V DC 4 poles in series |
| Connection pitch | 45 mm |
| [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 |
| Height | 136 mm |
| Width | 295 mm |
| Depth | 131 mm |
| Product weight | 6.4 kg |
| Compatibility code | ONE_PIECE_CHANGEOVER_INS250 |

Environment

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|---------------------------------------|--------------------------------|
| Standards | IEC 60947-1 IEC 60947-3 |
| Product certifications | CCC KEMA-KEUR |
| Electrical shock protection class | Class II |
| IP degree of protection | IP40 conforming to IEC 60947-3 |
| Pollution degree | 3 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |

Contractual warranty

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| Warranty period | 18 months |
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