

Product data sheet

Specifications



switch disconnecter, Compact
INS80 , 80 A, standard version with
black rotary handle, 4 poles

28905

Main

| | |
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| Range | ComPact |
| Product name | ComPacT INS |
| Product or component type | Switch disconnecter |
| Poles description | 4P |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| [Ie] rated operational current | AC-23A: 40 A AC 50/60 Hz 500 V AC-23A: 63 A AC 50/60 Hz 440/480 V AC-22A: 80 A AC 50/60 Hz 220/240 V AC-22A: 80 A AC 50/60 Hz 380/415 V AC-22A: 80 A AC 50/60 Hz 440/480 V AC-22A: 80 A AC 50/60 Hz 500 V AC-23A: 72 A AC 50/60 Hz 380/415 V AC-23A: 80 A AC 50/60 Hz 220/240 V DC-22A: 80 A DC 125 V 2 poles in series DC-23A: 80 A DC 125 V 2 poles in series DC-22A: 80 A DC 250 V 4 poles in series DC-23A: 80 A DC 250 V 4 poles in series |
| [Ui] rated insulation voltage | 690 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ith] conventional free air thermal current | 80 A at 60 °C |
| [Icm] rated short-circuit making capacity | 15 kA switch-disconnector alone 500 V AC at 50/60 Hz 75 kA with upstream protection circuit breaker 500 V AC at 50/60 Hz |
| [Ue] rated operational voltage | 500 V AC 50/60 Hz 250 V DC |
| Suitability for isolation | Yes |
| Contact position indicator | Yes |
| Visible break | No |
| Pollution degree | 3 |

Complementary

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| Control type | Rotary handle |
| Handle colour | Black |
| Mounting mode | Fixed |
| Mounting support | Plate |

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| | DIN rail |
| Upside connection | Front |
| Downside connection | Front |
| Cable cross section | 1.5...50 mm ² |
| Maximum power | AC-23: 22 kW at 500/525 V AC 50/60 Hz AC-23: 22 kW at 220/240 V AC 50/60 Hz AC-23: 37 kW at 380/415 V AC 50/60 Hz AC-23: 37 kW at 440 V AC 50/60 Hz |
| Rated duty | Uninterrupted |
| Intermittent duty class | Class 120 - 60 % |
| Enclosure dimensions for lthe | 190 mm x 115 mm x 55 mm |
| [lcw] rated short-time withstand current | 0.067 kA during 20 s conforming to IEC 60947-3 1.73 kA during 3 s conforming to IEC 60947-3 3 kA during 1 s conforming to IEC 60947-3 5.5 kA during 30 s conforming to IEC 60947-3 |
| Mechanical durability | 20000 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 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 4 poles in series DC-23A: 1500 cycles 250 V DC 4 poles in series |
| Connection pitch | 18 mm |
| Height | 85 mm |
| Width | 90 mm |
| Depth | 62.5 mm |
| Net weight | 0.6 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 | 9.7 cm |
| Package 1 Width | 10 cm |
| Package 1 Length | 10 cm |
| Package 1 Weight | 650 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 18 |
| Package 2 Height | 30 cm |

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|------------------------------|------------|
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 12.07 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 144 |
| Package 3 Height | 50 cm |
| Package 3 Width | 80 cm |
| Package 3 Length | 120 cm |
| Package 3 Weight | 109.784 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 |
| California proposition 65 | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Contractual warranty

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| Warranty | 18 months |
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Recommended replacement(s)