



### Main

|   |  |
|---|--|
| Range                                       | Compact  |
| Product name                                | INS250   |
| Poles description                           | 3P   |
| Network type                                | AC<br>DC   |
| Network frequency                           | 50/60 Hz   |
| [Ie] rated operational current              | AC-22A: 200 A AC 50/60 Hz 220/240 V<br>AC-22A: 200 A AC 50/60 Hz 380/415 V<br>AC-22A: 200 A AC 50/60 Hz 440/480 V<br>AC-22A: 200 A AC 50/60 Hz 480 V NEMA<br>AC-22A: 200 A AC 50/60 Hz 500/525 V<br>AC-22A: 200 A AC 50/60 Hz 660/690 V<br>AC-23A: 200 A AC 50/60 Hz 220/240 V<br>AC-23A: 200 A AC 50/60 Hz 380/415 V<br>AC-23A: 200 A AC 50/60 Hz 440/480 V<br>AC-23A: 200 A AC 50/60 Hz 480 V NEMA<br>AC-23A: 200 A AC 50/60 Hz 500/525 V<br>AC-23A: 200 A AC 50/60 Hz 660/690 V<br>DC-22A: 200 A DC 125 V 2 poles in series<br>DC-23A: 200 A DC 125 V 2 poles in series |
| [Ui] rated insulation voltage               | 750 V AC 50/60 Hz  |
| [Ith] conventional free air thermal current | 200 A ( 60 °C )  |
| [Icm] rated short-circuit making capacity   | 30 kA 690 V AC 50/60 Hz switch-disconnector alone<br>330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker   |
| [Ue] rated operational voltage              | 125 V DC<br>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<br>Rail  |
| Upside connection                        | Front  |
| Downside connection                      | Front  |
| Maximum power                            | AC-23: 110 kW 440 V AC 50/60 Hz<br>AC-23: 110 kW 480 V NEMA AC 50/60 Hz<br>AC-23: 132 kW 500/525 V AC 50/60 Hz<br>AC-23: 160 kW 660/690 V AC 50/60 Hz<br>AC-23: 55 kW 220/240 V AC 50/60 Hz<br>AC-23: 55 kW 230 V NEMA AC 50/60 Hz<br>AC-23: 90 kW 380/415 V AC 50/60 Hz |
| Rated duty                               | Uninterrupted  |
| [Icw] rated short-time withstand current | 1.8 kA ( 30 s ) conforming to IEC 60947-3<br>2.2 kA ( 20 s ) conforming to IEC 60947-3<br>4.9 kA ( 3 s ) conforming to IEC 60947-3<br>8.5 kA ( 1 s ) conforming to IEC 60947-3   |
| 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-23A: 1500 cycles 125 V DC 2 poles in series

|                  |        |
|------------------|--------|
| Connection pitch | 35 mm  |
| Height           | 136 mm |
| Width            | 140 mm |
| Depth            | 96 mm  |
| Product weight   | 2 kg   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-1<br>IEC 60947-3   |
| Product certifications                | CCC<br>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                  |