### Characteristics

**31349 switch disconnector, Compact INS1250, 1250A, with red rotary handle and yellow front, 4 poles**

#### Main

<table>
<thead>
<tr>
<th>Range</th>
<th>Compact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Compact INS</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Switch disconnector</td>
</tr>
<tr>
<td>Poles description</td>
<td>4P</td>
</tr>
<tr>
<td>Network type</td>
<td>AC, DC</td>
</tr>
<tr>
<td>Network frequency</td>
<td>50/60 Hz</td>
</tr>
</tbody>
</table>
| [le] rated operational current |** AC-21A: 1250 A AC 50/60 Hz 220/240 V**  
** AC-21A: 1250 A AC 50/60 Hz 380/415 V**  
** AC-21A: 1250 A AC 50/60 Hz 440/480 V**  
** AC-21A: 1250 A AC 50/60 Hz 480 V NEMA**  
** AC-21A: 1250 A AC 50/60 Hz 500/525 V**  
** AC-21A: 1250 A AC 50/60 Hz 660/690 V**  
** AC-22A: 1250 A AC 50/60 Hz 220/240 V**  
** AC-22A: 1250 A AC 50/60 Hz 380/415 V**  
** AC-22A: 1250 A AC 50/60 Hz 440/480 V**  
** AC-22A: 1250 A AC 50/60 Hz 480 V NEMA**  
** AC-22A: 1250 A AC 50/60 Hz 500/525 V**  
** AC-22A: 1250 A AC 50/60 Hz 660/690 V**  
** AC-23A: 1250 A AC 50/60 Hz 220/240 V**  
** AC-23A: 1250 A AC 50/60 Hz 380/415 V**  
** AC-23A: 1250 A AC 50/60 Hz 440/480 V**  
** AC-23A: 1250 A AC 50/60 Hz 480 V NEMA**  
** AC-23A: 1250 A AC 50/60 Hz 500/525 V**  
** AC-23A: 1250 A AC 50/60 Hz 660/690 V**  
** DC-21A: 1250 A DC 125 V 2 poles in series**  
** DC-22A: 1250 A DC 125 V 2 poles in series**  
** DC-23A: 1250 A DC 125 V 2 poles in series**  
** DC-21A: 1250 A DC 250 V 4 poles in series**  
** DC-22A: 1250 A DC 250 V 4 poles in series**  
** DC-23A: 1250 A DC 250 V 4 poles in series** |
| [Ui] rated insulation voltage | 1000 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 12 kV |
| [Ith] conventional free air thermal current | 1250 A at 60 °C |

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.
### [Icm] rated short-circuit making capacity
- 75 kA switch-disconnector alone 690 V AC at 50/60 Hz
- 75 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz

### [Ue] rated operational voltage
- 690 V AC 50/60 Hz
- 250 V DC

### Suitability for isolation
- Yes

### Contact position indicator
- Yes

### Visible break
- No

### Pollution degree
- 3

## Complementary

### Control type
- Rotary handle

### Handle colour
- Red

### Mounting mode
- Fixed

### Mounting support
- Plate
- Rail

### Upside connection
- Front

### Downside connection
- Front

### Maximum power
- AC-23: 400 kW at 220/240 V AC 50/60 Hz
- AC-23: 710 kW at 380/400 V AC 50/60 Hz
- AC-23: 800 kW at 415 V AC 50/60 Hz
- AC-23: 900 kW at 500/525 V AC 50/60 Hz

### Rated duty
- Uninterrupted

### Intermittent duty class
- Class 120 - 60 %

### [Icw] rated short-time withstand current
- 10 kA during 20 s conforming to IEC 60947-3
- 20 kA during 3 s conforming to IEC 60947-3
- 35 kA during 1 s conforming to IEC 60947-3
- 42 kA during 0.8 s conforming to IEC 60947-3
- 50 kA during 0.5 s conforming to IEC 60947-3
- 8 kA during 30 s conforming to IEC 60947-3

### Mechanical durability
- 3000 cycles

### Electrical durability
- AC-21A: 500 cycles 220/240 V AC 50/60 Hz
- AC-21A: 500 cycles 380/415 V AC 50/60 Hz
- AC-21A: 500 cycles 440/480 V AC 50/60 Hz
- AC-21A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA
- AC-21A: 500 cycles 500/525 V AC 50/60 Hz
- AC-21A: 500 cycles 660/690 V AC 50/60 Hz
- AC-22A: 500 cycles 220/240 V AC 50/60 Hz
- AC-22A: 500 cycles 380/415 V AC 50/60 Hz
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- AC-22A: 500 cycles 500/525 V AC 50/60 Hz
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- AC-23A: 500 cycles 380/415 V AC 50/60 Hz
- AC-23A: 500 cycles 440/480 V AC 50/60 Hz
- AC-23A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA
- AC-23A: 500 cycles 500/525 V AC 50/60 Hz
- AC-23A: 500 cycles 660/690 V AC 50/60 Hz
- DC-21A: 500 cycles 125 V DC 2 poles in series
- DC-22A: 500 cycles 125 V DC 2 poles in series
- DC-23A: 500 cycles 125 V DC 2 poles in series
- DC-21A: 500 cycles 250 V DC 4 poles in series
- DC-22A: 500 cycles 250 V DC 4 poles in series
- DC-23A: 500 cycles 250 V DC 4 poles in series

### Connection pitch
- 70 mm

### Height
- 300 mm

### Width
- 410 mm

### Depth
- 146.5 mm

### Net weight
- 18 kg

## Environment

### Standards
- IEC 60947-1
- IEC 60947-3
<table>
<thead>
<tr>
<th>Product certifications</th>
<th>KEMA-KEUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP degree of protection</td>
<td>IP40 conforming to IEC 60529</td>
</tr>
<tr>
<td>IK degree of protection</td>
<td>IK07 conforming to EN 50102</td>
</tr>
<tr>
<td>Ambient air temperature for operation</td>
<td>-25…70 °C</td>
</tr>
<tr>
<td>Ambient air temperature for storage</td>
<td>-50…85 °C</td>
</tr>
</tbody>
</table>

### Offer Sustainability

<table>
<thead>
<tr>
<th>Sustainable offer status</th>
<th>Green Premium product</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACH Regulation</td>
<td>REACH Declaration</td>
</tr>
<tr>
<td>EU RoHS Directive</td>
<td>Compliant</td>
</tr>
<tr>
<td>EU RoHS Declaration</td>
<td></td>
</tr>
<tr>
<td>Mercury free</td>
<td>Yes</td>
</tr>
<tr>
<td>RoHS exemption information</td>
<td>Yes</td>
</tr>
<tr>
<td>China RoHS Regulation</td>
<td>China RoHS declaration</td>
</tr>
<tr>
<td></td>
<td>Product out of China RoHS scope. Substance declaration for your information</td>
</tr>
</tbody>
</table>

### Environmental Disclosure

<table>
<thead>
<tr>
<th>Environmental Profile</th>
<th>Product Environmental Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>End of Life Information</td>
<td>End of Life Information</td>
</tr>
<tr>
<td>WEEE</td>
<td>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins</td>
</tr>
</tbody>
</table>

### Contractual warranty

| Warranty | 18 months |