33224

circuit breaker basic frame, Compact NS 630bN, 50 kA at 415 VAC 50/60 Hz, 630 A, fixed, manually operated, without trip unit, 4 poles

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### Main

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>NS630b...1600</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Basic frame</td>
</tr>
<tr>
<td>Device short name</td>
<td>Compact NS630bN</td>
</tr>
<tr>
<td>Device application</td>
<td>Distribution</td>
</tr>
<tr>
<td>Circuit breaker name</td>
<td>Compact NS630bN</td>
</tr>
<tr>
<td>Poles description</td>
<td>4P</td>
</tr>
<tr>
<td>Neutral position</td>
<td>Left</td>
</tr>
<tr>
<td>Network type</td>
<td>AC</td>
</tr>
<tr>
<td>Breaking capacity code</td>
<td>N</td>
</tr>
<tr>
<td>Suitability for isolation</td>
<td>Yes conforming to IEC 60947-2</td>
</tr>
<tr>
<td>Utilisation category</td>
<td>Category B</td>
</tr>
</tbody>
</table>

### Complementary

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Control type</td>
<td>Rotary handle</td>
</tr>
<tr>
<td>Mounting mode</td>
<td>Fixed</td>
</tr>
<tr>
<td>Mounting support</td>
<td>Backplate</td>
</tr>
<tr>
<td>(In) rated current up to 65 °C</td>
<td>630 A at 50 °C</td>
</tr>
<tr>
<td>[Ui] rated insulation voltage</td>
<td>800 V AC 50/60 Hz conforming to IEC 60947-2</td>
</tr>
<tr>
<td>[Uimp] rated impulse withstand voltage</td>
<td>8 kV conforming to IEC 60947-2</td>
</tr>
<tr>
<td>[Ue] rated operational voltage</td>
<td>690 V AC 50/60 Hz conforming to IEC 60947-2</td>
</tr>
<tr>
<td>Circuit breaker CT rating</td>
<td>630 A</td>
</tr>
<tr>
<td>Breaking capacity</td>
<td>30 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2</td>
</tr>
<tr>
<td></td>
<td>85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2</td>
</tr>
<tr>
<td></td>
<td>50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2</td>
</tr>
<tr>
<td></td>
<td>50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2</td>
</tr>
</tbody>
</table>

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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.
40 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2

### [Ics] rated service breaking capacity
- 30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)
- 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)
- 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)
- 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)

### Protection type
- Without protection

### Mechanical durability
- 10000 cycles conforming to IEC 60947-2

### Electrical durability
- 2000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2
- 4000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2
- 5000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2
- 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2

### Connection pitch
- 70 mm

### [Icw] rated short-time withstand current
- 19.2 kA 1 s conforming to IEC 60947-2

### Integral instant protection
- 40 kA

### Height
- 327 mm

### Width
- 280 mm

### Depth
- 147 mm

### Environment

#### Standards
- IEC 60947-2

#### Power certifications
- ASTA
- LCIE
- ASEFA

#### Power losses
- 10 W

#### IP degree of protection
- IP40 conforming to IEC 60529

#### IK degree of protection
- IK07 conforming to EN 50102

#### Pollution degree
- 3 conforming to IEC 60947

#### Ambient air temperature for operation
- -25…70 °C

#### Ambient air temperature for storage
- -50…85 °C

### Offer Sustainability

#### Sustainable offer status
- Green Premium product

#### REACh Regulation
- REACh Declaration

#### EU RoHS Directive
- Compliant
- EU RoHS Declaration

#### Mercury free
- Yes

#### RoHS exemption information
- Yes

#### China RoHS Regulation
- China RoHS declaration
- Product out of China RoHS scope. Substance declaration for your information

#### Environmental Disclosure
- Product Environmental Profile

#### Circular Profile
- No need of specific recycling operations

#### WEEE
- The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

#### Warranty
- 18 months