characteristics

33226

circuit breaker basic frame, Compact NS 630bL, 150 kA at 415 VAC 50/60 Hz, 630 A, fixed, manually operated, without trip unit, 4 poles

main

range of product NS630b...1600

product or component type Basic frame

device short name Compact NS630bL

device application Distribution

circuit breaker name Compact NS630bL

poles description 4P

neutral position Left

network type AC

breaking capacity code L

suitability for isolation Yes conforming to IEC 60947-2

utilisation category Category A

complementary

network frequency 50/60 Hz

control type Toggle

rotary handle

mounting mode Fixed

mounting support Backplate

(in) rated current up to 65 °C 630 A at 50 °C

[ui] rated insulation voltage 800 V AC 50/60 Hz conforming to IEC 60947-2

[uimp] rated impulse withstand voltage 8 kV conforming to IEC 60947-2

[uE] rated operational voltage 690 V AC 50/60 Hz conforming to IEC 60947-2

Circuit breaker CT rating 630 A

breaking capacity 130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2

150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2

150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2

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

[ics] rated service breaking capacity 100 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)

130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)

150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)

150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)

protection type Without protection

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

Jan 2, 2020
<table>
<thead>
<tr>
<th>Mechanical durability</th>
<th>10000 cycles conforming to IEC 60947-2</th>
</tr>
</thead>
</table>
| Electrical durability | 2000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2  
3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2  
3000 cycles 690 V AC 50/60 Hz ln/2 conforming to IEC 60947-2  
4000 cycles 440 V AC 50/60 Hz ln/2 conforming to IEC 60947-2 |
| Connection pitch      | 70 mm                                 |
| Height                | 327 mm                                |
| Width                 | 280 mm                                |
| Depth                 | 147 mm                                |

### Environment

<table>
<thead>
<tr>
<th>Standards</th>
<th>IEC 60947-2</th>
</tr>
</thead>
</table>
| Product certifications | ASTA                                   
|                        | ASEFA                                 
|                        | LCIE                                  |
| Power losses           | 15 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                             |

### Contractual warranty

| Warranty               | 18 months                             |