### Main

- **Range of product**: NS630b...1600
- **Product or component type**: Basic frame
- **Device short name**: Compact NS630bN
- **Device application**: Distribution
- **Circuit breaker name**: Compact NS630bN
- **Poles description**: 3P
- **Network type**: AC
- **Breaking capacity code**: N
- **Suitability for isolation**: Yes conforming to IEC 60947-2
- **Utilisation category**: Category B

### Complementary

- **Network frequency**: 50/60 Hz
- **Control type**: Rotary handle, Toggle
- **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**: 30 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2, 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2, 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2, 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2, 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)

---

**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.
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 | 210 mm
Depth | 147 mm

### Environment

| Standards | IEC 60947-2 |
| Product certifications | LCIE, ASTA, 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 |
| Environmental Disclosure | No need of specific recycling operations |
| Circularity Profile | 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 |