



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range                     | Compact                       |
| Range of product          | NS630b...1600                 |
| Product name              | Compact NS                    |
| Product or component type | Basic frame                   |
| Device short name         | Compact NS630bN               |
| Device application        | Distribution                  |
| Circuit breaker name      | Compact NS630bN               |
| Poles description         | 4P                            |
| Neutral position          | Left                          |
| 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                           | Motor mechanism<br>Motor mechanism with external connector   |
| Mounting mode                          | Drawout  |
| Mounting support                       | Backplate  |
| Upside connection                      | Front  |
| Downside connection                    | Front  |
| [In] rated current                     | 630 A ( 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                      | Icu 30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | Ics 22 kA 660/690 V AC 50/60 Hz electrical operation conforming to IEC 60947-2   |

Ics 37 kA 220/240 V AC 50/60 Hz electrical operation conforming to IEC 60947-2  
 Ics 37 kA 380/415 V AC 50/60 Hz electrical operation conforming to IEC 60947-2  
 Ics 37 kA 440 V AC 50/60 Hz electrical operation conforming to IEC 60947-2  
 Ics 30 kA 500/525 V AC 50/60 Hz electrical operation conforming to IEC 60947-2

|  |  |
|--|--|
| 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<br>4000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>5000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>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   |
| Compatibility code                       | NS630b   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-2                  |
| Product certifications                | ASEFA<br>ASTA<br>LCIE        |
| Power losses                          | 19 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 period | 18 months |
|-----------------|-----------|