

# C063N3FM

Circuit breaker frame, ComPacT NS630bN, 50kA at 415VAC, 630A, 3P, fixed, manually operated, without control unit



## Main

|                                                      |                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPacT                                                                                                                                                                                                                                                                                                                  |
| Range of product                                     | ComPacT NS630b...1600 new generation                                                                                                                                                                                                                                                                                     |
| Product or component type                            | Basic frame                                                                                                                                                                                                                                                                                                              |
| Device application                                   | Distribution                                                                                                                                                                                                                                                                                                             |
| Number of poles                                      | 3P                                                                                                                                                                                                                                                                                                                       |
| [In] rated current                                   | 630 A at 50 °C                                                                                                                                                                                                                                                                                                           |
| [Ue] rated operational voltage                       | 690 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                        |
| Network type                                         | AC                                                                                                                                                                                                                                                                                                                       |
| Network frequency                                    | 50/60 Hz                                                                                                                                                                                                                                                                                                                 |
| Suitability for isolation                            | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                         |
| Utilisation category                                 | Category B                                                                                                                                                                                                                                                                                                               |
| [Icu] rated ultimate short-circuit breaking capacity | 85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>40 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level                                    | N 50 kA 415 V AC                                                                                                                                                                                                                                                                                                         |
| Control type                                         | Manually operated                                                                                                                                                                                                                                                                                                        |
| Mounting mode                                        | Fixed                                                                                                                                                                                                                                                                                                                    |

## Complementary

|                                                     |                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [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                                                                                                                                                                                                                                                                       |
| [Ics] rated service short-circuit breaking capacity | 50 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>40 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Icw] rated short-time withstand current            | 19.2 kA 1 s conforming to IEC 60947-2                                                                                                                                                                                                                                                                |
| Integral instant protection                         | 40 kA                                                                                                                                                                                                                                                                                                |
| 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                                             |
| Power losses                                        | 10 W                                                                                                                                                                                                                                                                                                 |
| Mounting support                                    | Backplate                                                                                                                                                                                                                                                                                            |
| Connection pitch                                    | 70 mm                                                                                                                                                                                                                                                                                                |
| Protection type                                     | Without protection                                                                                                                                                                                                                                                                                   |
| Height (H)                                          | 327 mm                                                                                                                                                                                                                                                                                               |
| Width (W)                                           | 210 mm                                                                                                                                                                                                                                                                                               |
| Depth (D)                                           | 147 mm                                                                                                                                                                                                                                                                                               |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-2                  |
| Product certifications                | IECEE CB Scheme              |
| Pollution degree                      | 3 conforming to IEC 60947    |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to EN 50102  |
| Ambient air temperature for operation | -25...70 °C                  |
| Ambient air temperature for storage   | -50...85 °C                  |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 2.0 cm |
| Package 1 Width              | 1.0 cm |
| Package 1 Length             | 2.0 cm |
| Package 1 Weight             | 10.0 g |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>               |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                         |
| Mercury free               | Yes                                                                                                                               |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>         |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |