

# C100L4FM

Circuit breaker frame, ComPacT NS1000L,  
150kA at 415VAC, 1000A, 4P, 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                                      | 4P                                                                                                                                                                                                                                                           |
| Neutral position                                     | Left                                                                                                                                                                                                                                                         |
| [In] rated current                                   | 1000 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 A                                                                                                                                                                                                                                                   |
| [Icu] rated ultimate short-circuit breaking capacity | 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level                                    | L 150 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 | 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA at 500/525 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>3000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>3000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>4000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Power losses                                        | 34 W                                                                                                                                                                                                                                                     |
| Mounting support                                    | Backplate                                                                                                                                                                                                                                                |
| Connection pitch                                    | 70 mm                                                                                                                                                                                                                                                    |
| Protection type                                     | Without protection                                                                                                                                                                                                                                       |
| Height (H)                                          | 327 mm                                                                                                                                                                                                                                                   |
| Width (W)                                           | 280 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                  |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                   |
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</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 |