

# C063L420FM

Circuit breaker, ComPacT NS630bL, 150kA at 415VAC, 4P, fixed, manually operated, MicroLogic 2.0 control unit, 630A



## Main

|  |  |
|--|--|
| Range  | ComPacT  |
| Product name   | ComPacT NS new generation  |
| Range of product                                     | ComPacT NS630b...1600 new generation   |
| Product or component type                            | Circuit breaker  |
| Device application                                   | Distribution   |
| Number of poles                                      | 4P   |
| Protected poles description                          | 4D   |
| Neutral position                                     | Left   |
| (In) rated current up to 65 °C                       | 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 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  |
| Trip unit name                                       | MicroLogic 2.0   |
| Trip unit technology                                 | Electronic   |
| Trip unit protection functions                       | LI   |
| 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  |
| Mechanical durability                               | 10000 cycles   |
| Electrical durability                               | 2000 Cycles at 690 V In<br>3000 Cycles at 690 V In/2<br>3000 Cycles at 440 V In<br>4000 cycles at 440 V In/2   |
| Power losses  | 15 W   |
| Mounting support                                    | Backplate  |
| Upside connection                                   | Front  |

|   |   |
|---|---|
| Downside connection                                       | Front   |
| Connection pitch  | 70 mm   |
| Protection type   | L : for overload protection (long time)<br>I : for instantaneous short-circuit protection |
| Trip unit rating  | 630 A at 50 °C  |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 9 settings   |
| [Ir] long-time protection pick-up adjustment range        | 0.4...1 x In  |
| Long-time protection delay adjustment type tr             | Adjustable 9 settings   |
| [tr] long-time protection delay adjustment range          | 12.5...600 S at 1.5 x Ir<br>0.5...24 S at 6 x Ir<br>0.7...16.6 s at 7.2 x Ir              |
| Thermal memory  | 20 mn   |
| Instantaneous protection pick-up adjustment type li       | Adjustable  |
| [li] instantaneous protection pick-up adjustment range    | 1.5...10 x Ir   |
| Earth-leakage protection                                  | Without   |
| Neutral protection settings                               | No protection (3D)<br>0.5 x Ir (3D + N/2)<br>1 x Ir (4D)                                  |
| Zone selective interlocking ZSI                           | Without   |
| Auxiliary contact composition                             | 1 NO/NC   |
| Local signalling  | 4 LEDs (red) for fault indication<br>1 LED (yellow) for overload                          |
| Width (W)   | 280 mm  |
| Height (H)  | 327 mm  |
| Depth (D)   | 147 mm  |
| Net weight  | 18 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/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  |
| Relative humidity                     | 0...95 %   |
| Operating altitude                    | 0...2000 m without derating<br>2000 m...5000 m with derating |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 37.0 cm   |
| Package 1 Width              | 38.0 cm   |
| Package 1 Length             | 30.0 cm   |
| Package 1 Weight             | 17.429 kg |

## 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 |  Yes                                    |

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|                          |   |
|--------------------------|---|
| 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 |

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