# C100L350FM

Circuit breaker, ComPacT NS1000L, 150kA at 415VAC, 3P, fixed, manually operated, MicroLogic 5.0 control unit, 1000A

Green Premium™

## 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 | 3P |
| Protected poles description | 3D |
| (In) rated current up to 65 °C | 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 |
| Trip unit name | MicroLogic 5.0 |
| Trip unit technology | Electronic |
| Trip unit protection functions | LSI |
| Control type | Manually operated |
| Mounting mode | Fixed |

## Complementary

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|---|---|
| [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 | 34 W |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |

| | |
|---|---|
| Connection pitch | 70 mm |
| Protection type | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection |
| Trip unit rating | 1000 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 |
| Short-time protection pick-up adjustment type Isd | Adjustable 9 settings |
| [Isd] Short-time protection pick-up adjustment range | 1.5...10 x Ir |
| Short-time protection delay adjustment type tsd | Adjustable |
| [tsd] Short-time protection delay adjustment range | 0.1…0.4 S I²t=on<br>0…0.4 s I²t=off |
| Instantaneous protection pick-up adjustment type Ii | Adjustable |
| [Ii] instantaneous protection pick-up adjustment range | Off<br>2...15 x In |
| Earth-leakage protection | Without |
| 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) | 210 mm |
| Height (H) | 327 mm |
| Depth (D) | 147 mm |
| Net weight | 14 kg |

## Environment

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|---|---|
| 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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 30.000 cm |
| Package 1 Width | 40.000 cm |
| Package 1 Length | 60.000 cm |
| Package 1 Weight | 14.019 kg |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |

Life Is On | Schneider Electric

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|---|---|
| RoHS exemption information | 🔗Yes |
| Environmental Disclosure | 🔗Product Environmental Profile |
| Circularity Profile | 🔗End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |