

C125H420FM

Circuit breaker, ComPacT NS1250H, 70kA at 415VAC, 4P, fixed, manually operated, MicroLogic 2.0 control unit, 1250A



Main

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| 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 | 1250 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 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level | H 70 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

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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 | 52 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 52 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 48 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 37 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 31 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 |
| Mechanical durability | 10000 cycles |
| Electrical durability | 2000 Cycles at 690 V In 3000 Cycles at 690 V In/2 4000 Cycles at 440 V In 5000 cycles at 440 V In/2 |
| Power losses | 44 W |

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| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 70 mm |
| Protection type | L : for overload protection (long time) I : for instantaneous short-circuit protection |
| Trip unit rating | 1250 A at 50 °C |
| Long-time pick-up adjustment type I _r (thermal protection) | Adjustable 9 settings |
| [I _r] long-time protection pick-up adjustment range | 0.4...1 x I _n |
| Long-time protection delay adjustment type t _r | Adjustable 9 settings |
| [t _r] long-time protection delay adjustment range | 12.5...600 S at 1.5 x I _r 0.5...24 S at 6 x I _r 0.7...16.6 s at 7.2 x I _r |
| Thermal memory | 20 mn |
| Instantaneous protection pick-up adjustment type I _i | Adjustable |
| [I _i] instantaneous protection pick-up adjustment range | 1.5...10 x I _r |
| Earth-leakage protection | Without |
| Neutral protection settings | No protection (3D) 0.5 x I _r (3D + N/2) 1 x I _r (4D) |
| Zone selective interlocking ZSI | Without |
| Auxiliary contact composition | 1 NO/NC |
| Local signalling | 4 LEDs (red) for fault indication 1 LED (yellow) for overload |
| Width (W) | 280 mm |
| Height (H) | 327 mm |
| Depth (D) | 147 mm |
| Net weight | 18 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 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 | 30.0 cm |
| Package 1 Width | 40.0 cm |
| Package 1 Length | 60.0 cm |
| Package 1 Weight | 16.844 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 |

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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 |