



Main

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| Range | ComPact |
| Range of product | ComPact NS630b...1600 |
| Device short name | Compact NS1600H |
| Product or component type | Basic frame |
| Device application | Distribution |
| Number of poles | 3P |
| [In] rated current | 1600 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 42 KA Icu at 660/690 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 70 KA Icu at 380/415 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 |
| Performance level | H 70 kA 415 V AC |
| Control type | Rotary handle Toggle |
| Mounting mode | Drawout |

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 | 30 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 22 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 37 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 37 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) |
| [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 | 5000 Cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 1000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 2000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 2000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Power losses | 154 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

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|---------------------------------------|------------------------------|
| Standards | IEC 60947-2 |
| Product certifications | ASTA LCIE ASEFA |
| 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

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| Package 1 Weight | 13.314 kg |
| Package 1 Height | 3.700 dm |
| Package 1 width | 3.950 dm |
| Package 1 Length | 2.300 dm |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | <input checked="" type="checkbox"/> REACH Declaration |
| EU RoHS Directive | Compliant <input checked="" type="checkbox"/> EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | <input checked="" type="checkbox"/> Yes |
| China RoHS Regulation | <input checked="" type="checkbox"/> China RoHS Declaration |
| Environmental Disclosure | <input checked="" type="checkbox"/> Product Environmental Profile |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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