



Main

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| Range | Compact |
| Range of product | NS400...630 |
| Product name | Compact NS |
| Product or component type | Basic frame |
| Device short name | Compact NS630L |
| Circuit breaker name | Compact NS630L |
| Poles description | 3P |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| Control type | Toggle |
| [In] rated current | 500 A (65 °C) 630 A (40 °C) |
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2 |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 750 V DC conforming to IEC 60947-2 |
| Breaking capacity code | L |
| Breaking capacity | 130 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 200 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 50 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC Icu 130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 35 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 70 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | Ics 130 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 150 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 150 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 70 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Pollution degree | 3 conforming to IEC 60947 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Complementary

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Protection type | Without protection |
| Mechanical durability | 15000 cycles conforming to IEC 60947-2 |
| Electrical durability | 4000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 8000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection pitch | 45 mm |
| Height | 255 mm |
| Width | 140 mm |
| Depth | 110 mm |
| Compatibility code | NS630 |

Environment

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

Contractual warranty

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| Warranty period | 18 months |
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