



Main

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| Range | Compact |
| Range of product | Compact NS100...630 |
| Product or component type | Circuit breaker |
| Product name | Compact NS |
| Device short name | Compact NS160L |
| Circuit breaker name | Compact NS160L |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3t |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| [In] rated current | 150 A 65 °C 160 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 Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 130 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 |
| [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 20 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 525 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 |

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

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| Trip unit name | STR22SE |
| Trip unit technology | Electronic |
| Trip unit rating | 100 A (20 °C) 90 A (70 °C) 95 A (60 °C) |
| Protection type | Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection |
| Pollution degree | 3 conforming to IEC 60947 |

Complementary

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| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Mechanical durability | 40000 cycles |
| Electrical durability | 20000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 40000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection pitch | 35 mm |
| Local signalling | Positive contact indication |
| Long time pick-up adjustment type Ir | Adjustable 48 settings |
| Long time pick-up adjustment range | 0.4...1 x In |
| Long time delay adjustment type | Fixed |
| [Tr] long-time delay adjustment range | 90...180 s 1.5 x Ir 3.2...5 s 7.2 x Ir 5...7.5 s 6 x Ir |
| Short-time pick-up adjustment type Isd | Adjustable 8 settings |
| [Isd] short-time pick-up adjustment range | 2...10 x Ir |
| Short-time delay adjustment type | Fixed |
| [Tsd] short-time delay adjustment range | 0.04...0.06 s |
| Instantaneous pick-up adjustment type Ii | Fixed |
| Instantaneous pick-up adjustment range | >= 11 x In |
| Display type | LED |
| Height | 161 mm |
| Width | 105 mm |
| Depth | 86 mm |
| Compatibility code | NS160 |

Environment

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

END-OF-SALE NOTICE

30811