



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 NS400N |
| Circuit breaker name | Compact NS400N |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3t |
| Network type | DC AC |
| Network frequency | 50/60 Hz |
| [In] rated current | 320 A 65 °C 400 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 | N |
| Breaking capacity | 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC |
| [Ics] rated service breaking capacity | Ics 22 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 30 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 42 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 85 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Trip unit name | STR53UE F |
| Trip unit technology | Electronic |

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 rating | 400 A |
| Protection type | Instantaneous short-circuit protection Short time short-circuit protection Overload protection (long time) |
| 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 |
| Circuit breaker CT rating | 400 A |
| Mechanical durability | 15000 cycles |
| Electrical durability | 12000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 |
| Connection pitch | 45 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 | Adjustable |
| [Tr] long-time delay adjustment range | 12...16 s 6 x Ir 138...200 s 1.5 x Ir 277...400 s 1.5 x Ir 3...4 s 6 x Ir 34...50 s 1.5 x Ir 6...8 s 6 x Ir 69...100 s 1.5 x Ir 8...15 s 1.5 x Ir 0.2...0.74 s 7.2 x Ir 0.4...0.5 s 6 x Ir 1...1.4 s 7.2 x Ir 1.5...2 s 6 x Ir 2...2.8 s 7.2 x Ir 4...5.5 s 7.2 x Ir 8.2...11 s 7.2 x Ir |
| Short-time pick-up adjustment type I _{sd} | Adjustable 8 settings |
| [I _{sd}] short-time pick-up adjustment range | 1.5...10 x Ir |
| Short-time delay adjustment type | Adj 4 setgs + const I ² t option |
| [T _{sd}] short-time delay adjustment range | 0.23...0.35 s 0.015...0.06 s 0.14...0.23 s 0.06...0.14 s |
| Instantaneous pick-up adjustment type I _i | Adjustable |
| Instantaneous pick-up adjustment range | 1.5...11 x In |
| Display type | LED |
| Height | 255 mm |
| Width | 140 mm |
| Depth | 110 mm |
| Compatibility code | NS400 |

Environment

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

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|---------------------------------------|------------------------------|
| 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 |
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