



Main

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| Range | Compact |
| Product name | Compact NSX |
| Product or component type | Circuit breaker |
| Device short name | Compact NSX400HB2 |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3t |
| Network type | AC |
| Network frequency | 50/60 Hz |
| [In] rated current | 320 A (65 °C) 400 A (40 °C) |
| [Ui] rated insulation voltage | 800 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| Breaking capacity code | HB2 (100 kA) AC |
| Breaking capacity | 100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | Ics 100 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 100 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 100 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Trip unit name | Micrologic 6.3 E-M |
| Trip unit technology | Electronic |
| Trip unit protection functions | LSIG |
| Trip unit rating | 320 A (65 °C) |
| Protection type | Ground fault protection Instantaneous short-circuit protection |

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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| | Overload protection (long time) Short time short-circuit protection |
| Pollution degree | 3 conforming to IEC 60664-1 |
| Complementary | |
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Auxiliary contact composition | Without |
| Mechanical durability | 15000 cycles |
| Electrical durability | 12000 cycles 440 V In/2 conforming to IEC 60947-2 3000 cycles 690 V In conforming to IEC 60947-2 6000 cycles 440 V In conforming to IEC 60947-2 6000 cycles 690 V In/2 conforming to IEC 60947-2 |
| Connection pitch | 45 mm |
| Local signalling | LED 95 % lth LED ready |
| Motor tripping class | 10 20 30 5 |
| Complementary motor protection | Phase unbalance Protracted starting time Stalled rotor Underload |
| Long time pick-up adjustment type Ir | Adjustable 9 settings |
| Long time pick-up adjustment range | 160...320 A |
| Long time delay adjustment type | Adjustable |
| [Tr] long-time delay adjustment range | 10 s 7.2 x Ir 10 120 s 1.5 x Ir 5 20 s 7.2 x Ir 20 240 s 1.5 x Ir 10 26 s 6 x Ir 20 30 s 7.2 x Ir 30 38 s 6 x Ir 30 480 s 1.5 x Ir 20 5 s 7.2 x Ir 5 720 s 1.5 x Ir 30 13.5 s 6 x Ir 10 6.5 s 6 x Ir 5 |
| Thermal memory | 20 minutes before and after tripping |
| Short-time pick-up adjustment type lsd | Adjustable 9 settings |
| [lsd] short-time pick-up adjustment range | 5...13 x Ir |
| Short-time delay adjustment type | Fixed |
| Instantaneous pick-up adjustment type li | Fixed |
| Instantaneous pick-up adjustment range | 4800 A |
| Ground-fault pick-up adjustment type | Adjustable 9 settings |
| Ground-fault time delay adjustment type -tg | Adjustable 5 settings |
| [Tg] ground-fault time delay adjustment range | 0...0.4 s |
| [lg] ground-fault pick-up adjustment range | 64...320 A |
| Communication of data | Demand current and power Energy metering Instantaneous and demand values Maintenance indicators |

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|---|------------------------|
| Maximeters/Minimeters | |
| Power quality | |
| Protection and alarm settings | |
| Time-stamped histories and event tables | |
| Phase sequence | |
| Thermal image function | |
| Display type | LCD display |
| Type of measurement | Energy meter |
| Electrical data recording | Maintenance indicators |
| Height | 255 mm |
| Width | 140 mm |
| Depth | 110 mm |
| Product weight | 6.05 kg |

Environment

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|---------------------------------------|------------------------------|
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| Standards | EN/IEC 60947 |
| Product certifications | CCC Marine EAC |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -35...70 °C |
| Ambient air temperature for storage | -55...85 °C |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0819 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

Contractual warranty

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| Warranty period | 18 months |
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