



Main

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| Range | Compact |
| Product name | Compact NSX |
| Product or component type | Circuit breaker |
| Device short name | Compact NSX250F |
| Device application | Distribution |
| Poles description | 4P |
| Protected poles description | 4t 3t + N/2 3t |
| Neutral position | Left |
| Network type | AC |
| Network frequency | 50/60 Hz |
| [In] rated current | 250 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 | F (36 kA) AC |
| Breaking capacity | 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 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 15 kA at 600 V AC 50/60 Hz conforming to UL 508 35 kA at 480 V AC 50/60 Hz conforming to UL 508 85 kA at 240 V AC 50/60 Hz conforming to UL 508 |
| [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 35 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 36 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 8 kA 660/690 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 |

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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| Suitability for isolation | Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Trip unit name | Micrologic 2.2 |
| Trip unit technology | Electronic |
| Trip unit protection functions | LSol |
| Trip unit rating | 100 A (40 °C) |
| Protection type | Overload protection (long time) L Short time short-circuit protection with fixed delay So Instantaneous short-circuit protection I |
| Pollution degree | 3 conforming to IEC 60664-1 |

Complementary

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|---|---|
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Auxiliary contact composition | Without |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles 440 V In conforming to IEC 60947-2 10000 cycles 690 V In/2 conforming to IEC 60947-2 20000 cycles 440 V In/2 conforming to IEC 60947-2 5000 cycles 690 V In conforming to IEC 60947-2 |
| Connection pitch | 35 mm |
| Local signalling | LED 90 % Ir LED 105 % Ir LED ready |
| Neutral protection setting | 0.5 x Ir 3t + N/2 1 x Ir 4t No protection 3t |
| Long time pick-up adjustment type Ir | Adjustable 9 settings |
| Long time pick-up adjustment range | 0.9...1 x Io |
| Long time delay adjustment type | Fixed |
| [Tr] long-time delay adjustment range | 11 s 7.2 x Ir 16 s 6 x Ir 400 s 1.5 x Ir |
| Thermal memory | 20 minutes before and after tripping |
| Short-time pick-up adjustment type Isd | Adjustable 9 settings |
| [Isd] short-time pick-up adjustment range | 1.5...10 x Ir |
| Short-time delay adjustment type | Fixed |
| Instantaneous pick-up adjustment type Ii | Fixed |
| Instantaneous pick-up adjustment range | 1500 A |
| Height | 161 mm |
| Width | 140 mm |
| Depth | 86 mm |
| Product weight | 2.8 kg |

Environment

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|-----------------------------------|------------------------|
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| Standards | UL 508 EN/IEC 60947 |
| Product certifications | Marine |

CCC
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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