



Main

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| Range | Compact |
| Product name | Compact NSX |
| Product or component type | Circuit breaker |
| Device short name | Compact NSX630H |
| Device application | Motor |
| Poles description | 3P |
| Protected poles description | 3t |
| Network type | AC |
| Network frequency | 50/60 Hz |
| [In] rated current | 500 A (65 °C) 630 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 | H (70 kA) AC |
| Breaking capacity | 50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/240 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 20 kA at 600 V AC 50/60 Hz conforming to UL 508 65 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 10 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 100 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 11 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 65 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 70 kA 380/415 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 |

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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|--------------------------------|---------------------------------------|
| Utilisation category | Category A |
| Trip unit name | Micrologic 1.3 M |
| Trip unit technology | Electronic |
| Trip unit protection functions | I |
| Trip unit rating | 500 A (65 °C) |
| Protection type | Short-circuit protection (magnetic) 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 |
| Mechanical durability | 15000 cycles |
| Electrical durability | 2000 cycles 690 V In conforming to IEC 60947-2 4000 cycles 440 V In conforming to IEC 60947-2 6000 cycles 690 V In/2 conforming to IEC 60947-2 8000 cycles 440 V In/2 conforming to IEC 60947-2 |
| Connection pitch | 45 mm |
| Local signalling | LED ready |
| Short-time pick-up adjustment type Isd | Adjustable 9 settings |
| [Isd] short-time pick-up adjustment range | 2500 A 3000 A 3500 A 4000 A 4500 A 5000 A 5500 A 6000 A 6500 A |
| Short-time delay adjustment type | Fixed |
| Instantaneous pick-up adjustment type li | Fixed |
| Instantaneous pick-up adjustment range | 6500 A |
| Height | 255 mm |
| Width | 140 mm |
| Depth | 110 mm |
| Product weight | 6.2 kg |



Environment

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|---------------------------------------|------------------------------|
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| Standards | EN/IEC 60947 UL 508 |
| 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 0839 - Schneider Electric declaration of conformity |

 [Schneider Electric declaration of conformity](#)

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| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available  Product Environmental Profile |
| Product end of life instructions | Available  End of Life Information |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
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