



Main

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| Range | Compact |
| Range of product | NS630b...1600 |
| Product or component type | Circuit breaker |
| Device short name | Compact NS630bH |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3t |
| Network type | AC |
| Breaking capacity code | H |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category B |
| Trip unit name | Micrologic 5.0 |
| Trip unit technology | Electronic |
| Trip unit rating | 630 A (50 °C) |

Complementary

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| Network frequency | 50/60 Hz |
| Control type | Rotary handle Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| [In] rated current | 630 A (50 °C) |
| [Ui] rated insulation voltage | 800 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 |
| Circuit breaker CT rating | 630 A |
| Breaking capacity | 50 kA at 480 V AC 60 Hz conforming to NEMA AB1 HIC 50 kA at 600 V AC 60 Hz conforming to NEMA AB1 HIC 65 kA at 240 V AC 60 Hz conforming to NEMA AB1 HIC 50 kA Icu at 500 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 50 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | Ics 31.5 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 37.5 kA 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 48.75 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 52.5 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 52.5 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Auxiliary contact composition | Without |
| Mechanical durability | 10000 cycles |
| Electrical durability | |
| Local signalling | Positive contact indication |
| [Icw] rated short-time withstand current | 19.2 kA |
| Trip unit protection functions | Selective protection |
| Protection type | Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection |

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| Long time pick-up adjustment type Ir | Adjustable |
| Long time pick-up adjustment range | 0.4...1 x In |
| Long time delay adjustment type | Adjustable 9 settings |
| [tr] long-time delay adjustment | 0.7...16.6 s 7.2 x Ir 0.7...24 s 6 x Ir 12.5...600 s 1.5 x Ir |
| Thermal memory | 20 mn |
| Short-time pick-up adjustment type I _{sd} | Adjustable 9 settings |
| [I _{sd}] short-time pick-up adjustment range | 1.5...10 A |
| Short-time delay adjustment type | Adjustable 5 settings |
| [tsd] short-time delay adjustment range | 0.02...0.5 s |
| Instantaneous pick-up adjustment type I _i | Adjustable |
| Instantaneous pick-up adjustment range | 2...15 x In Off |
| Integral instant protection | 40 kA |
| Height | 327 mm |
| Width | 210 mm |
| Depth | 147 mm |

Environment

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|---------------------------------------|------------------------------|
| standards | IEC 60947-2 NEMA AB1 HIC |
| product certifications | ASEFA ASTA |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to EN 50102 |
| pollution degree | 3 conforming to IEC 60947 |
| ambient air temperature for operation | -25...70 °C |
| ambient air temperature for storage | -50...85 °C |