

LV431802

circuit breaker Compact NSX250H - Micrologic 2.2 -
100 A - 4 poles 4d



Main

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|---|--|
| Product or component type | Circuit breaker |
| Device short name | Compact NSX250H |
| Circuit breaker application | Distribution |
| Poles description | 4P |
| Protected poles description | 3t 3t + N/2 4t |
| Neutral position | Left |
| Network type | AC |
| Network frequency | 50/60 Hz |
| [In] rated current | 250 A (40 °C) |
| [U _i] rated insulation voltage | 800 V AC 50/60 Hz |
| [U _{imp}] rated impulse withstand voltage | 8 kV |
| [U _e] rated operational voltage | 690 V AC 50/60 Hz |
| Breaking capacity code | H |
| Breaking capacity | 100 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 15 kA at 600 V AC 50/60 Hz conforming to UL 508 35 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 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 Icu 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [I _{cs}] 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 35 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 |
| 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 | Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection |

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Complementary

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|---|---|
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| 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 105 % Ir LED 90 % 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 | 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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|---------------------------------------|---|
| Electrical shock protection class | Class II |
| Standards | EN 60947-2 IEC 60947-2 NEMA AB1 UL 508 |
| Product certifications | CSA UL |
| 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 | Not Green Premium product |
| RoHS | Compliant - since 0819 - Schneider Electric declaration of conformity |
| Product end of life instructions | Need no specific recycling operations |