

Product datasheet

Specifications



circuit breaker Compact NS100H - TMD - 16 A - 2 poles 2d

29615

⚠ Discontinued on: 1 Nov 2020

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Main

| | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product | Compact NS100...630 |
| Product or component type | Circuit breaker |
| Device short name | Compact NS100H |
| Circuit breaker name | Compact NS100H |
| Device application | Distribution |
| Poles description | 2P |
| Protected poles description | 2t |
| Network type | AC DC |
| Network frequency | 50/60 Hz |
| [In] rated current | 100 A at 40 °C 100 A at 65 °C |
| [Ui] rated insulation voltage | 750 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 60947-2 750 V DC conforming to IEC 60947-2 |
| Breaking capacity code | H |
| Breaking capacity | 100 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 35 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 250 V DC 1P conforming to IEC 60947-2 100 kA Icu at 48/125 V DC 1P conforming to IEC 60947-2 100 kA Icu at 500 V DC 2P conforming to IEC 60947-2 35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 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 |
| [Ics] rated service breaking capacity | 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 220 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 250 V DC conforming to IEC 60947-2 100 kA at 48/125 V DC conforming to IEC 60947-2 100 kA at 500 V DC conforming to IEC 60947-2 35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Trip unit name | TM-D |

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|-----------------------------|----------------------------------------------------------------------|
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 16 A at 40 °C |
| Protection type | Overload protection (thermal) Short-circuit protection (magnetic) |
| Pollution degree | 3 conforming to IEC 60947 |

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 277 V AC 50/60 Hz In conforming to IEC 60947-2 20000 cycles 277 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection pitch | 35 mm |
| Local signalling | Positive contact indication |
| Magnetic tripping current | 300 A 1250 A 190 A 260 A 500 A 640 A 1000 A 800 A |
| Long time pick-up adjustment type Ir | Fixed |
| Long time pick-up adjustment range | 0.8...1 x In |
| Instantaneous pick-up adjustment type li | Fixed |
| Instantaneous pick-up adjustment range | 190 A |
| Height | 161 mm |
| Width | 70 mm |
| Depth | 86 mm |

Environment

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|----------------------------------------------|-------------------------------|
| Standards | IEC 60947-2 |
| Product certifications | ASEFA LCIE ASTA KEMA |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to EN 50102 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |

Contractual warranty

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|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins