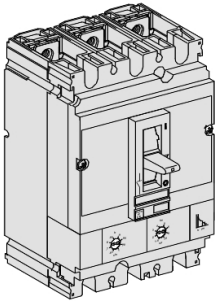


Product datasheet

Specifications



circuit breaker Compact NS125E - TMD - 100 A - 3 poles 3d

34631

! Discontinued

Main

| | |
|--|---|
| Range of product | Compact NS100...630 |
| Product or component type | Circuit breaker |
| Device short name | Compact NS125E |
| Circuit breaker name | Compact NS125E |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3t |
| Network type | DC AC |
| Network frequency | 50/60 Hz |
| [In] rated current | 125 A at 40 °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 | 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Breaking capacity code | E |
| Breaking capacity | 5 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 5 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 10 kA Icu at 415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 16 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 6 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | 3 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 415 V AC 50/60 Hz conforming to IEC 60947-2 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 12.5 kA at 220/240 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 |
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 100 A |
| Protection type | Overload protection (thermal) Short-circuit protection (magnetic) |
| Pollution degree | 3 conforming to IEC 60947 |

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

Complementary

| | |
|---|--|
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Mechanical durability | 10000 cycles |
| Electrical durability | 6000 cycles 440 V AC 50/60 Hz I_n conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz $I_n/2$ conforming to IEC 60947-2 |
| Connection pitch | 35 mm |
| Local signalling | Positive contact indication |
| Long time pick-up adjustment type I_r | Fixed |
| Long time pick-up adjustment range | 0.8...1 x I_n |
| Instantaneous pick-up adjustment type I_i | Fixed |
| Instantaneous pick-up adjustment range | 1250 A |
| Height | 161 mm |
| Width | 105 mm |
| Depth | 86 mm |

Environment

| | |
|---------------------------------------|-------------------------------|
| Standards | IEC 60947-2 |
| Product certifications | ASTA KEMA LCIE ASEFA |
| 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

| | |
|----------------------|----|
| 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

Image of product / Alternate images

Alternative

