

Product datasheet

Specifications



circuit breaker ComPact NSXm E
(16 kA at 415 VAC), 3P 3d, 16 A
rating TMD trip unit, compression
lugs and busbar connectors

LV426150

⚠ Discontinued

⚠ Discontinued on: 13 November 2022

⚠ End-of-service on: 26 October 2023

Main

| | |
|--|---|
| Range | ComPact |
| Product name | ComPact NSXm |
| Range of product | ComPact NSXm |
| Device short name | NSXm 16E |
| Product or component type | Circuit breaker |
| Device application | Protection Distribution |
| Number of poles | 3P |
| Protected poles description | 3D |
| [In] rated current | 16 A at 40 °C |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Utilisation category | Category A |
| [Icu] rated ultimate short-circuit breaking capacity | 25 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 16 kA Icu at 380...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 8 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level | E 16 kA 415 V AC |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit protection functions | LI |
| Control type | Toggle |
| Circuit breaker mounting mode | By screws Clip-on |

Complementary

| | |
|-------------------------------|-------------------|
| [Ui] rated insulation voltage | 800 V AC 50/60 Hz |
|-------------------------------|-------------------|

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|--|---|
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ics] rated service short-circuit breaking capacity | 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 16 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles at 440 V In 20000 cycles at 440 V In/2 5000 cycles at 690 V In 10000 cycles at 690 V In/2 |
| Mounting support | Plate DIN rail |
| Connection terminals | compression lug/busbar |
| Connection pitch | 35 mm with spreaders 27 mm without spreaders |
| 9 mm pitches | 9 module |
| Protection type | L : for overload protection (thermal) I : for short-circuit protection (magnetic) |
| Trip unit rating | 16 A at 40 °C |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable |
| [Ir] long-time protection pick-up adjustment range | 0.7...1 x In |
| Long-time protection delay adjustment type tr | Fixed |
| [Im] magnetic protection pick-up range | 500 A |
| Earth-leakage protection | Without |
| Number of slots for electrical auxiliaries | 1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX |
| Width (W) | 81 mm |
| Height (H) | 137 mm |
| Depth (D) | 80 mm |
| Net weight | 1.06 kg |
| Colour | Grey (RAL 7016) |

Environment

| | |
|--|--|
| Standards | EN/IEC 60947 |
| Product certifications | CCC EAC Marine |
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |
| Relative humidity | 0...95 % |
| Operating altitude | 0...2000 m without derating 2000...5000 m with derating |

Packing Units


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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9.0 cm |
| Package 1 Width | 22.0 cm |
| Package 1 Length | 12.5 cm |
| Package 1 Weight | 1.3 kg |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Recommended replacement(s)

LV426150 is replaced by:

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|----|---|--|
| 1x |  | Circuit breaker, ComPacT NSXm 63E, 16kA/415VAC, 3 poles, TMD trip unit 16A, lugs/ busbars C11E3TM016B |
|----|---|--|