



Circuit breaker ComPacT NSX160F, 36kA at 415VAC, TMD trip unit 125A, 50 degrees C, 3 poles 3D

C16F3TM125C

Main

| Range | ComPacT new generation |
|---|--|
| Product name | ComPacT NSX new generation |
| Device short name | NSX160F |
| product or component type | Circuit breaker |
| device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3D |
| [In] rated current | 125 A at 50 °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 |
| [lcu] rated ultimate short-circuit breaking capacity | 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level | F 36 kA 415 V AC |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit protection functions | Ц |
| Control type | Toggle |
| Circuit breaker mounting mode | Fixed |

Complementary

| [Ui] rated insulation voltage | 800 V AC 50/60 Hz | |
|---|---|--|
| [Uimp] rated impulse withstand voltage | 8 kV | |
| [lcs] rated service short-circuit breaking capacity | 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 | |
| Mechanical durability | 40000 cycles | |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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| Electrical durability | 40000 cycles at 440 V In/2 20000 cycles at 440 V In 15000 cycles at 690 V In/2 7500 cycles at 690 V In |
|--|---|
| Power dissipation per pole | 10.78 W |
| mounting support | Backplate |
| Mounting position | Horizontal and vertical Flat on the back |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 35 mm |
| Protection type | L : for overload protection (thermal) I : for short-circuit protection (magnetic) |
| Trip unit rating | 125 A at 50 °C |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable |
| [Ir] long-time protection pick-up adjustment range | 0.71 x ln |
| Long-time protection delay adjustment type tr | Fixed |
| [tr] long-time protection delay adjustment range | 120400 s at 1.5 x ln 15 s at 6 x lr |
| Instantaneous protection pick-up adjustment type li | Fixed |
| [li] instantaneous protection pick- up adjustment range | 1250 A |
| Earth-leakage protection | Without |
| Number of slots for electrical auxiliaries | 5 slot(s) |
| Width (W) | 105 mm |
| Height (H) | 161 mm |
| Depth (D) | 86 mm |
| net weight | 2.2 kg |

Environment

| Standards | EN/IEC 60947-2 |
|---------------------------------------|--|
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| 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 | -2570 °C |
| Ambient air temperature for storage | -5085 °C |
| Relative humidity | 095 % |
| Operating altitude | 02000 m without derating 2000 m5000 m with derating |

Packing Units

Unit Type of Package 1 PCE



Number of Units in Package 1



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Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |



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