

Product datasheet

Specifications



Circuit breaker ComPacT NSX500F DC, 36kA at 750 VDC, TM-DC trip unit, 500 A rating, 3 poles

C63F3TM500D

Price* : 17,320.67 ZAR

Main

| | |
|--|---|
| Range | ComPacT new generation |
| Product name | ComPacT NSX DC new generation |
| Device short name | NSX630F DC |
| Product or component type | Circuit breaker |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3D |
| [In] rated current | 500 A at 40 °C |
| [Ue] rated operational voltage | 750 V DC |
| Network type | DC |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Utilisation category | Category A |
| [Icu] rated ultimate short-circuit breaking capacity | 36 kA Icu at 24...125 V DC 1 pole conforming to IEC 60947-2 36 kA Icu at 250 V DC 1 pole conforming to IEC 60947-2 36 kA Icu at 500 V DC 2 poles in series conforming to IEC 60947-2 36 kA Icu at 750 V DC 3 poles in series conforming to IEC 60947-2 |
| Performance level | F 36 kA 750 V DC |
| Trip unit name | TM-DC |
| Trip unit technology | Thermal-magnetic |
| Trip unit protection functions | LI |
| Control type | Toggle |
| Circuit breaker mounting mode | Fixed |

Complementary

| | |
|---|---|
| [Ui] rated insulation voltage | 750 V DC conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 36 kA at 24...125 V DC conforming to IEC 60947-2 36 kA at 250 V DC conforming to IEC 60947-2 36 kA at 500 V DC conforming to IEC 60947-2 36 kA at 750 V DC conforming to IEC 60947-2 |
| Mechanical durability | 5000 cycles |

* Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

| | |
|---|--|
| Electrical durability | 2000 cycles at 750 V In/2 1000 cycles at 750 V In |
| Mounting support | Backplate |
| Mounting position | Horizontal and vertical Flat on the back |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 45 mm |
| Protection type | L : for overload protection (thermal) I : for short-circuit protection (magnetic) |
| Trip unit rating | 500 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 |
| Instantaneous protection pick-up adjustment type li | Adjustable |
| [li] instantaneous protection pick-up adjustment range | 2.5...5 x In |
| Earth-leakage protection | Without |
| Number of slots for electrical auxiliaries | 6 slot(s) |
| Width (W) | 140 mm |
| Height (H) | 255 mm |
| Depth (D) | 110 mm |
| Net weight | 8.0 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60947 |
| Product certifications | CCC EAC Marine |
| 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 | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |
| Relative humidity | 0...95 % |
| Operating altitude | 0...2000 m without derating 2000 m...5000 m with derating |

Packing Units

| | |
|------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

| | |
|------------------|---------|
| Package 1 Height | 14.7 cm |
| Package 1 Width | 20.0 cm |
| Package 1 Length | 29.1 cm |
| Package 1 Weight | 5.35 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 |
| Circularity Profile | No need of specific recycling operations |
| Halogen content performance | Halogen free plastic parts product |

Recommended replacement(s)