

# C25F3MA220

Circuit breaker ComPacT NSX250F, 36kA at 415VAC, MA trip unit 220A, 3 poles 3d



## Main

|  |   |
|--|---|
| Range  | ComPacT new generation  |
| Product name   | ComPacT NSX new generation  |
| Device short name                                    | NSX250F   |
| Product or component type                            | Circuit breaker   |
| Device application                                   | Motor protection  |
| Poles description                                    | 3P  |
| Protected poles description                          | 3D  |
| [In] rated current                                   | 220 A at 65 °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 | 85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>35 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>30 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>22 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>8 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>35 KA at 480 V AC 50/60 Hz conforming to UL 508<br>15 kA at 600 V AC 50/60 Hz conforming to UL 508 |
| Performance level                                    | F 36 kA 415 V AC  |
| Trip unit name                                       | MA  |
| Trip unit technology                                 | Magnetic  |
| Trip unit protection functions                       | I   |
| 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  |
| [Ics] rated service short-circuit breaking capacity | 85 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>36 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>35 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>30 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>22 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability                               | 20000 cycles  |
| Electrical durability                               | 20000 Cycles at 440 V In/2<br>10000 Cycles at 440 V In<br>10000 Cycles at 690 V In/2<br>5000 cycles at 690 V In   |

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|  |   |
|--|---|
| Power dissipation per pole                             | 14.52 W                                     |
| Mounting support                                       | Backplate                                   |
| Mounting position                                      | Horizontal and vertical<br>Flat on the back |
| Upside connection                                      | Front                                       |
| Downside connection                                    | Front                                       |
| Connection pitch                                       | 35 mm                                       |
| Protection type  | I : for short-circuit protection (magnetic) |
| Trip unit rating                                       | 220 A at 65 °C                              |
| Short-time protection pick-up adjustment type Isd      | Adjustable                                  |
| [Isd] Short-time protection pick-up adjustment range   | 9...14 x In                                 |
| Instantaneous protection pick-up adjustment type li    | Adjustable 9 settings                       |
| [li] instantaneous protection pick-up adjustment range | 9...14 x In                                 |
| 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   | 2.4 kg                                      |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 60947   |
| Product certifications                | CCC[RETURN]Marine[RETURN]EAC                                 |
| 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<br>2000 m...5000 m with derating |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 14.200 cm |
| Package 1 Width              | 11.400 cm |
| Package 1 Length             | 19.400 cm |
| Package 1 Weight             | 1.956 kg  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 7         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 14.070 kg |

## Offer Sustainability

|                          |  |
|--------------------------|--|
| Sustainable offer status | Green Premium product  |
| REACH Regulation         |  <a href="#">REACH Declaration</a>      |
| EU RoHS Directive        | Compliant with Exemptions  |
| Mercury free             | Yes  |
| China RoHS Regulation    |  <a href="#">China RoHS Declaration</a> |

|                            |   |
|----------------------------|---|
| RoHS exemption information | <a href="#">Yes</a>                           |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a> |
| Circularity Profile        | <a href="#">End Of Life Information</a>       |
| PVC free                   | Yes   |