



PRODUCT-DETAILS

XT3N 250 TMD 250-2500 4p F F InN=50%

XT3N 250 TMD 250-2500 4p F F InN=50%



| General Information   |                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT3N 250 TMD 250-2500 4p F F InN=50%                                                                                          |
| Product ID            | 1SDA068066R1                                                                                                                  |
| EAN                   | 8015644019679                                                                                                                 |
| Catalog Description   | XT3N 250 TMD 250-2500 4p F F InN=50%                                                                                          |
| Long Description      | C.BREAKER TMAX XT3N 250 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 250-2500 A NEUTRAL = 50% PHASES |

| ABB EcoSolutions |     |
|------------------|-----|
| ABB EcoSolutions | Yes |

| Circular Value                                |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 56.6 % |
| Conflict Minerals Reporting Template          | 9AKK108467A5658                                               |

(CMRT)

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| End of Life Instructions            | 9AKK108468A2350                                     |
| Group Waste to Landfill Target      | UL 2799 Zero Waste To Landfill Validation available |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326                                     |

Eco Transparency

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| Environmental Product Declaration - EPD | 9AKK108468A2294<br>9AKK108468A7794 |
|-----------------------------------------|------------------------------------|

Environmental

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Information | 9AKK108467A6707                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| REACH Declaration         | 9AKK108466A1425                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RoHS Information          | 9AKK108466A1424                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RoHS Status               | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SCIP                      | 57eadf4a-5970-4adf-a4da-066359f9153b Italy (IT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Simplified SCIP           | 5b32d049-ad48-4123-95f2-48f433ef6c19 Germany (DE)<br>81e60ee8-6c0e-44b2-95d5-91c754b56e0e Poland (PL)<br>24c809ec-b12f-4fb3-9cdf-95b8b1032b35 Netherlands (NL)<br>5963c41a-8c00-4cbf-81d0-28eb6ecbb283 Estonia (EE)<br>3f64f079-43e8-47cd-b114-d10d69ba9d34 Greece (GR)<br>3c8f0030-2e09-48d3-8888-aef966763b63 Portugal (PT)<br>153c2cda-5baf-425b-8b35-67feaf39186c Bulgaria (BG)<br>952ae9e2-bdc7-4763-b509-2ba57c09265d Sweden (SE)<br>004b5065-4539-4704-b3b9-a87ac5e094b4 Germany (DE)<br>ee7c403e-febd-435c-a589-2edcd405aea0 Sweden (SE)<br>565848d3-dafb-4931-958e-167237b6fd20 Denmark (DK)<br>5b915541-3971-4c01-9202-853874e5e858 Germany (DE)<br>2c2ed932-0b95-4560-96dc-098bb3d22421 Poland (PL)<br>dbd2837a-4142-4a2a-a55f-f7084a20ca88 Norway (NO)<br>b9cbdc10-27f8-451b-8430-af420a947ce3 Finland (FI)<br>ef77859c-e0c2-44e4-ae97-1ff5209c271c Netherlands (NL)<br>d434b549-c0e5-4ef2-b0dd-5ef97d321094 Croatia (HR)<br>209b1d3f-2fea-4911-883a-1209260f589a Czech Republic (CZ)<br>010584df-cf52-441e-abd4-64b76e41c427 Poland (PL)<br>4fc2b5c4-f16c-479f-b7f9-daa21bda0099 France (FR)<br>5bde1267-5475-4c87-87f2-b7d48c4823b9 Germany (DE)<br>5bee0812-d8e7-4349-92ef-2c2399a7b578 Germany (DE)<br>1883f205-3976-4283-8397-26eb947565b6 France (FR)<br>447066ea-1d76-4cc5-aa4e-770312887d67 Netherlands (NL)<br>674f5277-7576-4fb4-99b8-f82b2696cd4f Spain (ES)<br>093ceba4-3512-4c9c-aea4-637123d56417 Netherlands (NL)<br>ff18c3a7-f475-4ca2-83a3-82dadcd281c72 Netherlands (NL) |

Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT3NEN250AFF000XXX |
| E-Number (Finland)       | 3641013            |
| EAN                      | 8015644019679      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 140 mm |
| Product Net Height         | 150 mm |
| Product Net Depth / Length | 70 mm  |
| Product Net Weight         | 2.1 kg |

### Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 155 mm        |
| Package Level 1 Height         | 190 mm        |
| Package Level 1 Depth / Length | 155 mm        |
| Package Level 1 Gross Weight   | 2.214 kg      |
| Package Level 1 EAN            | 8015644019679 |

### Additional Information

|                                                                     |                                                                                                                                                                                               |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circuit Breaker Type to be Associated                               | Power Distribution                                                                                                                                                                            |
| Connecting Capacity Main Circuit                                    | Busbar 85..192 mm <sup>2</sup>                                                                                                                                                                |
| Current Type                                                        | AC/DC                                                                                                                                                                                         |
| Electrical Durability                                               | 120 cycles per hour<br>8000 cycle                                                                                                                                                             |
| Mechanical Durability                                               | 240 cycles per hour<br>25000 cycle                                                                                                                                                            |
| Number of Poles                                                     | 4                                                                                                                                                                                             |
| Opening Time                                                        | CB with SOR 15 ms<br>CB with UVR 15 ms                                                                                                                                                        |
| Order Multiple                                                      | 1 piece                                                                                                                                                                                       |
| Power Loss                                                          | at Rated Operating Conditions per Pole 17.8 W                                                                                                                                                 |
| Product Main Type                                                   | SACE Tmax XT                                                                                                                                                                                  |
| Product Name                                                        | Moulded Case Circuit Breaker                                                                                                                                                                  |
| Product Type                                                        | Automatic Circuit Breaker                                                                                                                                                                     |
| Rated Current (I <sub>n</sub> )                                     | 250 A                                                                                                                                                                                         |
| Rated Frequency (f)                                                 | 50 / 60 Hz                                                                                                                                                                                    |
| Rated Voltage (U <sub>r</sub> )                                     | 690 V                                                                                                                                                                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                 | 8 kV                                                                                                                                                                                          |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ) | 2500 A                                                                                                                                                                                        |
| Rated Insulation Voltage (U <sub>i</sub> )                          | 800 V                                                                                                                                                                                         |
| Rated Operational Voltage                                           | 690 V AC<br>500 V DC                                                                                                                                                                          |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )    | (220 V AC) 37.5 kA<br>(230 V AC) 37.5 kA<br>(240 V AC) 37.5 kA<br>(380 V AC) 27 kA<br>(415 V AC) 27 kA<br>(440 V AC) 18.75 kA<br>(500 V AC) 15 kA<br>(525 V AC) 9.75 kA<br>(690 V AC) 3.75 kA |

|                                                                   |                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                   | (250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 50 kA                                                                                                                                                                                    |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (220 V AC) 50 kA<br>(230 V AC) 50 kA<br>(240 V AC) 50 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 25 kA<br>(500 V AC) 20 kA<br>(525 V AC) 13 kA<br>(690 V AC) 5 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 50 kA |
| Rated Uninterrupted Current (I <sub>u</sub> )                     | 250 A                                                                                                                                                                                                                                                       |
| Recommended Screw Driver                                          | Main Circuit M8                                                                                                                                                                                                                                             |
| Release                                                           | TMD                                                                                                                                                                                                                                                         |
| Release Type                                                      | TM                                                                                                                                                                                                                                                          |
| Setting Range                                                     | 175...250 A                                                                                                                                                                                                                                                 |
| Short-Circuit Performance Level                                   | N                                                                                                                                                                                                                                                           |
| Standards                                                         | IEC60947-2                                                                                                                                                                                                                                                  |
| Sub-type                                                          | XT3                                                                                                                                                                                                                                                         |
| Terminal Connection Type                                          | Front                                                                                                                                                                                                                                                       |
| Terminal Type                                                     | Bolt                                                                                                                                                                                                                                                        |
| Tightening Torque                                                 | 8 N·m                                                                                                                                                                                                                                                       |
| Version                                                           | F                                                                                                                                                                                                                                                           |
| CAD Dimensional Drawing                                           | 1SDH001295R0483                                                                                                                                                                                                                                             |

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5530                    |
| GL Certificate                    | 1SDL000163R0094                    |
| LR Certificate                    | 1SDL000163R0100                    |
| UL Certificate                    | No certification needed            |
| VDE Certificate                   | No certification needed            |
| Dimension Diagram                 | 1SDH000720R0100                    |
| Mechanical Drawings               | 1SDH000720R0100                    |
| Wiring Diagram                    | 1SDM000068R0001                    |
| Instructions and Manuals          | 1SDH000720R0001                    |

Classifications

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| ETIM 7                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| ETIM 8                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| ETIM 9                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification Code | Q                                                                            |

|               |                                                            |
|---------------|------------------------------------------------------------|
| UNSPSC        | 39120000                                                   |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| eClass        | V11.1 : 27370409                                           |

Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

