



PRODUCT-DETAILS

XT1B 160 TMD 32-450 3p F F

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| General Information   |   |
|-----------------------|---|
| Extended Product Type | XT1B 160 TMD 32-450 3p F F  |
| Product ID            | 1SDA066802R1  |
| EAN                   | 8015644694463   |
| Catalog Description   | XT1B 160 TMD 32-450 3p F F  |
| Long Description      | C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A |

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

| Circular Value                              |   |
|---|---|
| Circular Design                             | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| Principles Recyclability Rate               |   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658   |
| End of Life Instructions                    | 9AKK108468A2347   |
| Group Waste to Landfill                     | UL 2799 Zero Waste To Landfill Validation available           |

|                    |                 |
|--------------------|-----------------|
| Target             |                 |
| Toxic Substances   | 9AKK108467A8326 |
| Control Act - TSCA |                 |

Eco Transparency

|                       |                 |
|-----------------------|-----------------|
| Environmental Product | 9AKK108468A1890 |
| Declaration - EPD     | 9AKK108468A7793 |

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                      | f73e4266-0af4-4cef-b9b3-260c00a910f9 Italy (IT)  |
| Simplified SCIP           | 06390208-d394-410e-9842-b8f1aa84ad09 Poland (PL)<br>ce31830e-4feb-4262-8ac1-c0a505cbd58c Norway (NO)<br>43aad17a-9e80-44f3-9db3-9d6d35642925 Finland (FI)<br>e181dcff-17e3-4829-8167-be0ead9f9f4f Netherlands (NL)<br>7515b418-fb55-4766-95e2-4323a6ecd612 Germany (DE)<br>45a6cb81-5081-41fe-a071-5cf38b8adf65 Denmark (DK)<br>ff639201-5b12-440f-821d-3a6c4ce2953c Germany (DE)<br>f913e764-1c76-4c93-9fc0-2a0875805dc8 Croatia (HR)<br>dc0ff913-83d0-4f15-babc-7a856a1b3255 Czech Republic (CZ)<br>b020eae-bcf23-445c-95a4-4f103ce43fa5 Poland (PL)<br>fa9663ae-4d74-4267-a4b0-fcfc539c2914 Netherlands (NL)<br>a409c160-db3e-4860-adba-1d89501dd2c5 Netherlands (NL)<br>aebf759a-29ca-419e-b416-0ecf3b3f9577 Estonia (EE)<br>e0db3e96-345c-4b56-91d0-3a02a89a2482 Greece (GR)<br>094c590f-e054-4452-9a76-5fb143f976e9 Portugal (PT)<br>2e656ab5-eff3-4755-bcc3-052950d58ddb Bulgaria (BG)<br>df9ecf69-1483-4540-b0c4-3bdfc49abdad Sweden (SE)<br>c6236bbe-bf16-4be7-9c71-7d042fe7dbe1 Poland (PL)<br>d6074c8c-4abc-41ae-ad9f-fa07173c3572 France (FR)<br>382fe93d-82da-457d-b30e-7032f1b8681e Sweden (SE)<br>908a3719-74a3-4ad9-8c4f-413f7b640fe2 Germany (DE)<br>c0dd578e-17bc-4735-a4bd-35aac606fc6d Germany (DE)<br>f358ac58-4638-4878-b499-0f7191ed7405 France (FR)<br>efc96197-3e4f-4d77-a0c4-4a5c216675e2 Netherlands (NL)<br>9131538b-9a93-4dc4-88d8-690a0b2651e3 Spain (ES)<br>d203dbb9-dd7c-4d5d-ad5c-3e96966e8826 Netherlands (NL) |

Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT1BE3032AFF000XXX |
| E-Number (Finland)       | 3638629            |
| EAN                      | 8015644694463      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 76.2 mm |
| Product Net Height         | 130 mm  |
| Product Net Depth / Length | 70 mm   |

|                    |        |
|--------------------|--------|
| Product Net Weight | 1.1 kg |
|--------------------|--------|

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 128 mm        |
| Package Level 1 Height         | 135 mm        |
| Package Level 1 Depth / Length | 143 mm        |
| Package Level 1 Gross Weight   | 1.11 kg       |
| Package Level 1 EAN            | 8015644694463 |

Additional Information

|   |  |
|---|--|
| Circuit Breaker Type to be Associated                               | Power Distribution   |
| Connecting Capacity Main Circuit                                    | Busbar 45.5 ... 80 mm²   |
| 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   | 3  |
| 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 2.1 W   |
| Product Main Type   | SACE Tmax XT   |
| Product Name  | Moulded Case Circuit Breaker   |
| Product Type  | Automatic Circuit Breaker  |
| Rated Current (I <sub>n</sub> )                                     | 32 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> ) | 450 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) 25 kA<br>(230 V AC) 25 kA<br>(240 V AC) 25 kA<br>(380 V AC) 18 kA<br>(415 V AC) 18 kA<br>(440 V AC) 11.25 kA<br>(500 V AC) 8 kA<br>(525 V AC) 6 kA<br>(690 V AC) 3 kA<br>(250 V DC) 2 Poles in Series 18 kA<br>(500 V DC) 3 Poles in Series 18 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )   | (220 V AC) 25 kA<br>(230 V AC) 25 kA<br>(240 V AC) 25 kA   |

|   |                                    |
|---|------------------------------------|
|   | (380 V AC) 18 kA                   |
|   | (415 V AC) 18 kA                   |
|   | (440 V AC) 15 kA                   |
|   | (500 V AC) 8 kA                    |
|   | (525 V AC) 6 kA                    |
|   | (690 V AC) 3 kA                    |
|   | (250 V DC) 2 Poles in Series 18 kA |
|   | (500 V DC) 3 Poles in Series 18 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ) | 160 A                              |
| Recommended Screw Driver                      | Main Circuit M6                    |
| Release                                       | TMD                                |
| Release Type                                  | TM                                 |
| Setting Range                                 | 22.4...32 A                        |
| Short-Circuit Performance Level               | B                                  |
| Standards                                     | IEC                                |
| Sub-type                                      | XT1                                |
| Terminal Connection Type                      | Front                              |
| Terminal Type                                 | Bolt                               |
| Tightening Torque                             | 6 N·m                              |
| Version                                       | F                                  |
| CAD Dimensional Drawing                       | 1SDH001295R0008                    |

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5532                    |
| GL Certificate                    | 1SDL000163R0103                    |
| LR Certificate                    | 1SDL000163R0100                    |
| UL Certificate                    | No certification needed            |
| VDE Certificate                   | No certification needed            |
| Dimension Diagram                 | 1SDH000719R0100                    |
| Mechanical Drawings               | 1SDH000719R0100                    |
| Wiring Diagram                    | 1SDM000068R0001                    |
| Instructions and Manuals          | 1SDH000719R0001                    |

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

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## Categories

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

