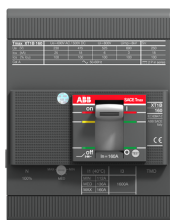


## PRODUCT-DETAILS

XT1B 160 TMD 63-630 4p F F

XT1B 160 TMD 63-630 4p F F



### General Information

|                       |                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT1B 160 TMD 63-630 4p F F                                                                             |
| Product ID            | 1SDA066816R1                                                                                           |
| EAN                   | 8015644007232                                                                                          |
| Catalog Description   | XT1B 160 TMD 63-630 4p F F                                                                             |
| Long Description      | C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 63-630 A |

### ABB EcoSolutions

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

### Environmental

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 60.9 % |
| Recyclability Rate                          |                                                               |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                               |
| End of Life Instructions                    | 9AKK108468A2347                                               |
| Environmental Information                   | 9AKK107991A8215<br>9AKK108467A6707                            |
| Environmental Product Declaration - EPD     | 9AKK108468A1890                                               |
| Group Waste to Landfill Target              | UL 2799 Zero Waste To Landfill Validation available           |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Declaration                   | 9AKK108466A1425                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RoHS Information                    | 9AKK108466A1424                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RoHS Status                         | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SCIP                                | 7e73f8c2-9fcf-46fd-8ce8-8ff3065446c7 Italy (IT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Simplified SCIP                     | 2b4cd088-0d46-4c30-bb6a-fb441b7fb7fb Poland (PL)<br>b7062f07-5e00-42af-9950-e858adf3f3bd Norway (NO)<br>3f87f6c9-8b2b-4ba3-84e7-e4bf7c4dbc7c Finland (FI)<br>b0f1fc93-a34d-458d-8e5e-7e6c7fda2025 Netherlands (NL)<br>0994645c-6924-49ce-aa7d-e31f5e03f896 Germany (DE)<br>11a258b4-39ac-46b4-8a4c-aeed35ebf9da Denmark (DK)<br>7998dd24-22f6-40bf-90a9-f95105e027b1 Germany (DE)<br>1380dbaa-9f5b-4c5a-a7f2-568dc4c78999 Croatia (HR)<br>5ffe1b0a-3c9a-42c4-861e-3d907b4f9fa3 Czech Republic (CZ)<br>6abaabeb-16c8-4cb6-aef2-7390cbe2b1da Poland (PL)<br>32be922d-f98f-47fe-9186-edcf13f4f64b Netherlands (NL)<br>54b32461-e46b-4996-bcf2-3f2b76dbdd71 Netherlands (NL)<br>43eb203d-6065-412f-b732-744eae5e5eb0 Estonia (EE)<br>c4908d83-b7ef-4b8d-8997-e74109d80de6 Greece (GR)<br>320d11f0-a17d-4e87-a794-375d391e75f4 Portugal (PT)<br>e6eb8d27-f481-4de3-a533-d3fe70af7f6a Bulgaria (BG)<br>34915fc1-7263-488f-b83f-da09bdd995be Sweden (SE)<br>a540bb0a-5c6d-479d-8984-36b5f089d8a7 Poland (PL)<br>c3e3417c-d555-4879-9f50-f327aba9cc45 France (FR)<br>cf23ebf3-cbe3-4128-a848-761e96a2adb6 Sweden (SE)<br>89e58f18-2822-40de-b715-47eeb3764a40 Germany (DE)<br>4f114a61-8884-4a65-a44a-0c453d2e1ada Germany (DE)<br>8e0863a3-ad22-4ce7-983c-ea3d4580aac7 France (FR)<br>61686ad8-6b0e-43f3-b96a-9777eabf3f98 Netherlands (NL)<br>1f1f32e9-0f0b-4294-84ff-23fee2cdc5ab Spain (ES)<br>72846ad8-efea-488f-9610-a0ce79670d85 Netherlands (NL) |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT1BE4063AFF000XXX |
| E-Number (Finland)       | 3638196            |
| EAN                      | 8015644007232      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 101.6 mm |
| Product Net Height         | 130 mm   |
| Product Net Depth / Length | 70 mm    |
| Product Net Weight         | 1.4 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   | 1.43 kg       |
| Package Level 1 EAN            | 8015644007232 |

## Additional Information

|                                       |                        |
|---------------------------------------|------------------------|
| Circuit Breaker Type to be Associated | Power Distribution     |
| Connecting Capacity Main              | Busbar 45.5 ... 80 mm² |

|                                                             |                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circuit                                                     |                                                                                                                                                                                                                                                              |
| 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 4.3 W                                                                                                                                                                                                                 |
| Product Main Type                                           | SACE Tmax XT                                                                                                                                                                                                                                                 |
| Product Name                                                | Moulded Case Circuit Breaker                                                                                                                                                                                                                                 |
| Product Type                                                | Automatic Circuit Breaker                                                                                                                                                                                                                                    |
| Rated Current ( $I_n$ )                                     | 63 A                                                                                                                                                                                                                                                         |
| Rated Frequency (f)                                         | 50 / 60 Hz                                                                                                                                                                                                                                                   |
| Rated Voltage ( $U_r$ )                                     | 690 V                                                                                                                                                                                                                                                        |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV                                                                                                                                                                                                                                                         |
| Rated Instantaneous Short-Circuit Current Setting ( $I_i$ ) | 630 A                                                                                                                                                                                                                                                        |
| Rated Insulation Voltage ( $U_i$ )                          | 800 V                                                                                                                                                                                                                                                        |
| Rated Operational Voltage                                   | 690 V AC<br>500 V DC                                                                                                                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (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 ( $I_{cu}$ ) | (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) 15 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 Uninterrupted Current ( $I_u$ )                       | 160 A                                                                                                                                                                                                                                                        |
| Recommended Screw Driver                                    | Main Circuit M6                                                                                                                                                                                                                                              |
| Release                                                     | TMD                                                                                                                                                                                                                                                          |
| Release Type                                                | TM                                                                                                                                                                                                                                                           |
| Setting Range                                               | 44.1...63 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                                     | 1SDH001295R0080                                                                                                                                                                                                                                              |

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**Certificates and Declarations (Document Number)**


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|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| ATEX Certificate                        | No certification needed                               |
| Data Sheet, Technical Information       | 1SDC210100D0206<br>1SDC210099D0206                    |
| Declaration of Conformity - CE          | 9AKK106713A5532                                       |
| Environmental Information               | 9AKK107991A8215<br>9AKK108467A6707<br>9AKK108468A1890 |
| Environmental Product Declaration - EPD |                                                       |
| GL Certificate                          | 1SDL000163R0103                                       |
| Instructions and Manuals                | 1SDH000719R0001                                       |
| LR Certificate                          | 1SDL000163R0100                                       |
| REACH Declaration                       | 9AKK108466A1425                                       |
| RoHS Information                        | 9AKK108466A1424                                       |
| UL Certificate                          | No certification needed                               |
| VDE Certificate                         | No certification needed                               |
| Dimension Diagram                       | 1SDH000719R0100                                       |
| Mechanical Drawings                     | 1SDH000719R0100                                       |
| Wiring Diagram                          | 1SDM000068R0001                                       |

## Classifications

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| ETIM 4                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 5                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 6                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 7                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| ETIM 8                     | 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

