



PRODUCT-DETAILS

XT1C 160 TMD 160-1600 3p F F

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| General Information   |   |
|-----------------------|---|
| Extended Product Type | XT1C 160 TMD 160-1600 3p F F  |
| Product ID            | 1SDA067399R1  |
| EAN                   | 8015644012939   |
| Catalog Description   | XT1C 160 TMD 160-1600 3p F F  |
| Long Description      | C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 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                      | 0d8bc7a2-0b2f-4c4e-b0d2-ae3184d07c12 Italy (IT)  |
| Simplified SCIP           | ab107f86-ac30-4f6a-a6bf-c4d8c77a0fd2 France (FR)<br>4ce86c8a-88a3-4668-b9fe-6d159b3b770c Poland (PL)<br>2b6d4e8f-9999-4183-a923-afbb4bdcec78 Finland (FI)<br>1b141b21-8bef-4f72-8f3e-ddd51c5ec259 Norway (NO)<br>974eeae4-e997-42f0-aa0d-58883071678c Netherlands (NL)<br>c0df14b2-ce11-4e19-a2d5-72e2790aa9cc Netherlands (NL)<br>b756e454-2ef3-4dc7-99e0-091b44577511 Germany (DE)<br>99c1470b-f1a5-48b0-8949-840c4be74894 Denmark (DK)<br>e16d074d-620a-4ea1-8227-b05dc2e7d098 Germany (DE)<br>dfb95055-9cf7-4ec6-b0e7-801c62ca7cc8 Croatia (HR)<br>9fc57840-b252-4713-8387-c3b5c39c2768 Czech Republic (CZ)<br>56162500-c94b-403f-a284-3e358af29456 Netherlands (NL)<br>82077ecd-9e46-4ba5-85c7-22fd9245ee2d Netherlands (NL)<br>df47e79a-6de1-4aa8-83e4-3b4ebc60686b Estonia (EE)<br>91ca0d03-e2ae-40be-88e0-e06a7b181f24 Greece (GR)<br>21de00c2-cdbb-4cc5-a139-d1e3d26dffcb Portugal (PT)<br>91902059-0a7b-46c8-9eda-6bb7beb04a2b Bulgaria (BG)<br>83cedd21-6566-49aa-bd8f-fa5be6b586dd Sweden (SE)<br>4f0c602c-433f-4412-8704-722fe1de2a92 Poland (PL)<br>1b963a22-3a58-43d0-94c5-819ab7622567 France (FR)<br>5489a759-29a8-46b8-a5c0-42d61d45ed5d Sweden (SE)<br>b8e985c9-c29a-4e6d-a0f0-f79c981441a9 Germany (DE)<br>0a6e7309-6bb1-4725-9934-8c06601b79c0 Germany (DE)<br>3daf304a-39bc-447c-a8cd-0e009652dae7 Spain (ES)<br>4a0eb37f-875b-48f5-ad3a-e2fe91f042c6 Netherlands (NL)<br>c8b2a3ef-2fdc-48b9-9068-d7b46a9d3213 Poland (PL) |

Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT1CE3160AFF000XXX |
| E-Number (Finland)       | 3638779            |
| EAN                      | 8015644012939      |
| 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   | 1.128 kg      |
| Package Level 1 EAN            | 8015644012939 |

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 15 W   |
| Product Main Type   | SACE Tmax XT  |
| Product Name  | Moulded Case Circuit Breaker  |
| Product Type  | Automatic Circuit Breaker   |
| Rated Current (I <sub>n</sub> )                                     | 160 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> ) | 1600 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) 40 kA<br>(230 V AC) 40 kA<br>(240 V AC) 40 kA<br>(380 V AC) 25 kA<br>(415 V AC) 25 kA<br>(440 V AC) 12.5 kA<br>(500 V AC) 9 kA<br>(525 V AC) 8 kA<br>(690 V AC) 4 kA<br>(250 V DC) 2 Poles in Series 25 kA<br>(500 V DC) 3 Poles in Series 25 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )   | (220 V AC) 40 kA<br>(230 V AC) 40 kA<br>(240 V AC) 40 kA  |

|   |  |
|---|--|
|   | (380 V AC) 25 kA<br>(415 V AC) 25 kA<br>(440 V AC) 25 kA<br>(500 V AC) 18 kA<br>(525 V AC) 8 kA<br>(690 V AC) 4 kA<br>(250 V DC) 2 Poles in Series 25 kA<br>(500 V DC) 3 Poles in Series 25 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ) | 160 A  |
| Recommended Screw Driver                      | Main Circuit M6  |
| Release                                       | TMD  |
| Release Type                                  | TM   |
| RoHS Date                                     | NA   |
| Setting Range                                 | 112...160 A  |
| Short-Circuit Performance Level               | C  |
| 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  |
| UNSPSC                     | 39120000   |
| 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

