

PRODUCT-DETAILS

XT1N 160 TMD 100-1000 3p F F

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General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | XT1N 160 TMD 100-1000 3p F F  |
| Product ID            | 1SDA067416R1  |
| EAN                   | 8015644013103   |
| Catalog Description   | XT1N 160 TMD 100-1000 3p F F  |
| Long Description      | C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A |

ABB EcoSolutions

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

Circular Value

|   |   |
|---|---|
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| Recyclability Rate                          |   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658   |
| End of Life Instructions                    | 9AKK108468A2347   |
| 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 | 9AKK108468A1890 |
|   | 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                      | 9dc23701-0389-4d5d-9536-ba4ecc672f9f Italy (IT)  |
| Simplified SCIP           | 8ebd8f62-f8d3-47fd-bae4-333e0a218076 Greece (GR)<br>db9cca29-2669-426f-bf76-0e2f3f91228f Portugal (PT)<br>01cd358c-7878-4350-a8cb-ad98bcd7f04c Bulgaria (BG)<br>b0a036f2-b8f0-4f7f-ae01-a1a61a24b8a8 Sweden (SE)<br>996ed7e4-edc7-4d81-acaa-2cb3aad20176 Poland (PL)<br>8fd3fa87-f754-4249-8c2f-b59e41939151 France (FR)<br>c53d77de-041e-4093-a986-0c6cc61f57c5 Sweden (SE)<br>84ac0468-5c88-4c5d-8651-f235b69841f9 Norway (NO)<br>fbb53485-dd85-4069-8b43-658e7c5756b5 Finland (FI)<br>d200e345-117c-45cc-aa41-8ed4a9afed60 Netherlands (NL)<br>1a85d563-57df-4b20-b426-89ccb3c219e0 Germany (DE)<br>e9fc3286-418a-43e6-a8da-5755bebb9679 Denmark (DK)<br>b375cf2b-78f3-4e1e-ae01-a1a61a24b8a8 Germany (DE)<br>d6dca289-557a-48dd-b4aa-fd4b82c36b75 Croatia (HR)<br>83b9a438-3162-4bc0-be90-1012a3e4b3fc Poland (PL)<br>4f0681cb-c9f4-4a2f-abaf-3d07ac967890 Germany (DE)<br>3b489665-c6a7-4f01-ac7f-d84483cd1553 France (FR)<br>e6c6fa22-a8fe-4514-a81d-fcf5be2a7031 Netherlands (NL)<br>c4a7c5cf-16cb-45a7-8b0f-07ab801af36a Spain (ES)<br>83b9a438-3162-4bc0-be90-1012a3e4b3fc Poland (PL)<br>84ac0468-5c88-4c5d-8651-f235b69841f9 Norway (NO)<br>fbb53485-dd85-4069-8b43-658e7c5756b5 Finland (FI)<br>b0a036f2-b8f0-4f7f-ae01-a1a61a24b8a8 Sweden (SE)<br>2bcd0110-606e-4b4a-96e7-796264c5d0b9 Netherlands (NL)<br>996ed7e4-edc7-4d81-acaa-2cb3aad20176 Poland (PL)<br>8fd3fa87-f754-4249-8c2f-b59e41939151 France (FR)<br>c53d77de-041e-4093-a986-0c6cc61f57c5 Sweden (SE)<br>8b19cf35-ed11-4fe7-8969-08b832056cec Germany (DE)<br>3acf60b8-4063-465a-b3fd-a4c165e3f530 Czech Republic (CZ)<br>5dc72b3c-ae87-4b2b-b761-495b6eb5d7eb Poland (PL)<br>cb2acb5b-5523-4886-9a78-19a9c1e14bee Netherlands (NL)<br>1216d8d6-e907-4c14-bafd-557686032dbe Netherlands (NL)<br>87f2c02c-07fc-4c8f-9140-875e6fa9b620 Estonia (EE)<br>8ebd8f62-f8d3-47fd-bae4-333e0a218076 Greece (GR)<br>db9cca29-2669-426f-bf76-0e2f3f91228f Portugal (PT)<br>8b19cf35-ed11-4fe7-8969-08b832056cec Germany (DE)<br>4f0681cb-c9f4-4a2f-abaf-3d07ac967890 Germany (DE)<br>3b489665-c6a7-4f01-ac7f-d84483cd1553 France (FR)<br>e6c6fa22-a8fe-4514-a81d-fcf5be2a7031 Netherlands (NL)<br>c4a7c5cf-16cb-45a7-8b0f-07ab801af36a Spain (ES)<br>2bcd0110-606e-4b4a-96e7-796264c5d0b9 Netherlands (NL)<br>01cd358c-7878-4350-a8cb-ad98bcd7f04c Bulgaria (BG)<br>d200e345-117c-45cc-aa41-8ed4a9afed60 Netherlands (NL)<br>1a85d563-57df-4b20-b426-89ccb3c219e0 Germany (DE)<br>e9fc3286-418a-43e6-a8da-5755bebb9679 Denmark (DK)<br>b375cf2b-78f3-4e1e-ae01-a1a61a24b8a8 Germany (DE)<br>d6dca289-557a-48dd-b4aa-fd4b82c36b75 Croatia (HR)<br>3acf60b8-4063-465a-b3fd-a4c165e3f530 Czech Republic (CZ)<br>5dc72b3c-ae87-4b2b-b761-495b6eb5d7eb Poland (PL)<br>cb2acb5b-5523-4886-9a78-19a9c1e14bee Netherlands (NL)<br>1216d8d6-e907-4c14-bafd-557686032dbe Netherlands (NL)<br>87f2c02c-07fc-4c8f-9140-875e6fa9b620 Estonia (EE) |

Ordering

|                    |               |
|--------------------|---------------|
| E-Number (Finland) | 3640527       |
| E-Number (Sweden)  | 3182429       |
| EAN                | 8015644013103 |

|                        |          |
|------------------------|----------|
| 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   | 1.133 kg      |
| Package Level 1 EAN            | 8015644013103 |

## Additional Information

|   |  |
|---|--|
| Circuit Breaker Type to be Associated                       | Power Distribution   |
| Connecting Capacity Main Circuit                            | Busbar 45.5 ... 80 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   | 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 7 W   |
| Product Main Type   | SACE Tmax XT   |
| Product Name  | Moulded Case Circuit Breaker   |
| Product Type  | Automatic Circuit Breaker  |
| Rated Current ( $I_n$ )                                     | 100 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 ( $I_s$ ) | 1000 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) 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) 18 kA<br>(500 V AC) 15 kA<br>(525 V AC) 11 kA |

|   |   |
|---|---|
|   | (690 V AC) 5 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 36 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (220 V AC) 65 kA<br>(230 V AC) 65 kA<br>(240 V AC) 65 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 36 kA<br>(500 V AC) 30 kA<br>(525 V AC) 22 kA<br>(690 V AC) 6 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 36 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   | 70...100 A  |
| Short-Circuit Performance Level                                   | N   |
| 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 | 2CDC210017C0101<br>1SDC210100D0206<br>1SXF210033C2001<br>1SDC210099D0206<br>1SXF210034C2001 |
| 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 |
| Object Classification Code | Q  |
| UNSPSC                     | 39120000   |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)                   |
| eClass                     | V11.1 : 27370409   |

| Where Used (as part of "kit") |                          |      |
|-------------------------------|--------------------------|------|
| Identifier                    | Description              | Type |
| 3HAC058321-001                | Circuit breaker, w term. | Kit  |

Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT  
Robotics → Controllers → IRC5 → IRC5 Process Module

