

PRODUCT-DETAILS

XT1C 160 TMD 100-1000 4p F F

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General Information

| | |
|-----------------------|--|
| Extended Product Type | XT1C 160 TMD 100-1000 4p F F |
| Product ID | 1SDA067406R1 |
| EAN | 8015644013004 |
| Catalog Description | XT1C 160 TMD 100-1000 4p F F |
| Long Description | C.BREAKER TMAX XT1C 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A |

ABB EcoSolutions

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

Circular Value

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|---|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 60.9 % |
| 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 | 9AKK108467A8326 |

Control Act - TSCA

Eco Transparency

Environmental Product Declaration - EPD 9AKK108468A1890

Environmental

| | |
|---------------------------|---|
| Environmental Information | 9AKK107991A8215 9AKK108467A6707 |
| REACH Declaration | 9AKK108466A1425 |
| RoHS Information | 9AKK108466A1424 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| SCIP | da49dad4-480c-4f06-80f0-cd599ef1b7aa Italy (IT) |
| Simplified SCIP | <p>705a7500-cbe2-4d52-917d-29a8d5373919 France (FR)</p> <p>743664cf-05ce-48f9-a3ec-ff25001e37b1 Sweden (SE)</p> <p>76eed2b-3cd8-45ee-bcba-3530761e835f Germany (DE)</p> <p>d57f62ee-822b-4bd6-90fd-3bf5a27acd7d Germany (DE)</p> <p>5f74ff1f-d085-4f28-a052-f1095ed23de7 France (FR)</p> <p>4aa58036-a8fd-4d83-9f97-ff4f7d86b259 Netherlands (NL)</p> <p>72db3925-868b-4d16-b83f-595bd37d59b8 Greece (GR)</p> <p>741df328-7b0d-4ff4-abbb-5a7e711ea4fa Portugal (PT)</p> <p>2faeb391-4bfc-41c3-8e71-ca8d89c22975 Bulgaria (BG)</p> <p>4d1aac7f-f66f-4e2c-a446-3a76f09c672a Sweden (SE)</p> <p>6b5e80d6-a9f4-4676-b845-0cc88058e8f3 Poland (PL)</p> <p>705a7500-cbe2-4d52-917d-29a8d5373919 France (FR)</p> <p>743664cf-05ce-48f9-a3ec-ff25001e37b1 Sweden (SE)</p> <p>004222ab-c438-4427-925b-78489af46d49 Spain (ES)</p> <p>0a90e1dd-c1b1-4a12-9a78-90059348c60f Poland (PL)</p> <p>4b8fb4d7-d4d8-4fb8-94c2-f8845681106a Norway (NO)</p> <p>460acca6-ec75-4def-a6a4-f3ae1b7675aa Finland (FI)</p> <p>17f351c1-47cf-429b-9542-7013a9b2edf1 Netherlands (NL)</p> <p>2e473234-1208-40fa-bdf4-1aa23ee065b9 Germany (DE)</p> <p>b45e24c0-818e-4d37-93f5-b37224523c13 Denmark (DK)</p> <p>ec8003af-31ef-4cc7-8151-e07d926bd4b3 Germany (DE)</p> <p>9d227499-ea95-4bba-83cd-5bba80cacad32 Croatia (HR)</p> <p>eb5428f3-528c-4ae3-be1d-db700c336cbc Czech Republic (CZ)</p> <p>8e1765d9-d7ff-4eb5-b403-aa51bc12072d Poland (PL)</p> <p>8a86768b-c3b0-421d-ae89-5f80adb4a32e Netherlands (NL)</p> <p>8bb8ce58-b1ae-49ac-8c67-d9ca79387598 Netherlands (NL)</p> <p>fa685aaf-df7a-4eb3-a07f-013d2c2e108a Estonia (EE)</p> <p>0a90e1dd-c1b1-4a12-9a78-90059348c60f Poland (PL)</p> <p>4b8fb4d7-d4d8-4fb8-94c2-f8845681106a Norway (NO)</p> <p>460acca6-ec75-4def-a6a4-f3ae1b7675aa Finland (FI)</p> <p>17f351c1-47cf-429b-9542-7013a9b2edf1 Netherlands (NL)</p> <p>2e473234-1208-40fa-bdf4-1aa23ee065b9 Germany (DE)</p> <p>b45e24c0-818e-4d37-93f5-b37224523c13 Denmark (DK)</p> <p>ec8003af-31ef-4cc7-8151-e07d926bd4b3 Germany (DE)</p> <p>9d227499-ea95-4bba-83cd-5bba80cacad32 Croatia (HR)</p> <p>eb5428f3-528c-4ae3-be1d-db700c336cbc Czech Republic (CZ)</p> <p>8e1765d9-d7ff-4eb5-b403-aa51bc12072d Poland (PL)</p> <p>8a86768b-c3b0-421d-ae89-5f80adb4a32e Netherlands (NL)</p> <p>8bb8ce58-b1ae-49ac-8c67-d9ca79387598 Netherlands (NL)</p> <p>fa685aaf-df7a-4eb3-a07f-013d2c2e108a Estonia (EE)</p> <p>741df328-7b0d-4ff4-abbb-5a7e711ea4fa Portugal (PT)</p> <p>76eed2b-3cd8-45ee-bcba-3530761e835f Germany (DE)</p> <p>d57f62ee-822b-4bd6-90fd-3bf5a27acd7d Germany (DE)</p> <p>5f74ff1f-d085-4f28-a052-f1095ed23de7 France (FR)</p> <p>4aa58036-a8fd-4d83-9f97-ff4f7d86b259 Netherlands (NL)</p> <p>004222ab-c438-4427-925b-78489af46d49 Spain (ES)</p> <p>f755a92e-15fa-45a1-a648-cef15c663aca Netherlands (NL)</p> <p>72db3925-868b-4d16-b83f-595bd37d59b8 Greece (GR)</p> <p>2faeb391-4bfc-41c3-8e71-ca8d89c22975 Bulgaria (BG)</p> <p>4d1aac7f-f66f-4e2c-a446-3a76f09c672a Sweden (SE)</p> <p>f755a92e-15fa-45a1-a648-cef15c663aca Netherlands (NL)</p> <p>6b5e80d6-a9f4-4676-b845-0cc88058e8f3 Poland (PL)</p> |

Ordering

| | |
|--------------------------|--------------------|
| Order Code US and Canada | XT1CE4100AFF000XXX |
| E-Number (Finland) | 3640509 |
| EAN | 8015644013004 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Dimensions

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|----------------------------|----------|
| 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

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|--------------------------------|---------------|
| 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 | 1.438 kg |
| Package Level 1 EAN | 8015644013004 |

Additional Information

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|---|--|
| Circuit Breaker Type to be Associated | Power Distribution |
| Connecting Capacity Main Circuit | Busbar 45.5 ... 80 mm ² |
| Current Type | AC/DC |
| Electrical Durability | 120 cycles per hour 8000 cycle |
| Mechanical Durability | 240 cycles per hour 25000 cycle |
| Number of Poles | 4 |
| Opening Time | CB with SOR 15 ms 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 _i) | 1000 A |
| Rated Insulation Voltage | 800 V |

| | |
|---|---|
| (U _i) | |
| Rated Operational Voltage | 690 V AC 500 V DC |
| Rated Service Short-Circuit Breaking Capacity (I _{cs}) | (220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}) | (220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA |
| Rated Uninterrupted Current (I _u) | 160 A |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMD |
| Release Type | TM |
| Setting Range | 70...100 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 | 1SDH001295R0080 |

Certificates and Declarations

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|-----------------------------------|------------------------------------|
| ATEX Certificate | No certification needed |
| Data Sheet, Technical Information | 1SDC210100D0206 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

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|----------------------------|--|
| 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

