



PRODUCT-DETAILS

XT1B 160 TMD 63-630 3p F F

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General Information

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|-----------------------|---|
| Extended Product Type | XT1B 160 TMD 63-630 3p F F |
| Product ID | 1SDA066805R1 |
| EAN | 8015644694470 |
| Catalog Description | XT1B 160 TMD 63-630 3p F F |
| Long Description | C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 63-630 A |

ABB EcoSolutions

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| ABB EcoSolutions | Yes |
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Circular Value

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|---|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| Conflict Minerals Reporting Template | 9AKK108467A5658 |

(CMRT)

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

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

Environmental

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|---------------------------|---|
| 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 | 377a9c61-7755-44c1-97ff-a07aff56de9b Italy (IT) |
| Simplified SCIP | 86faf432-330b-45a6-841a-9df0d6acd302 Germany (DE) daa01f6d-1f3e-4502-af6c-0af85208954c France (FR) cdf3a55e-573c-4e5f-9073-888525925d22 Sweden (SE) d50e69f4-3b07-4b77-8c24-aa3b9f65ba99 Germany (DE) 461979f8-a2e7-4c07-b7a8-1728bc14a555 Germany (DE) 957cd3ec-bfde-4be3-b8df-3b6f3838373f France (FR) 163d5b2f-de04-4a5b-ae2b-a1ebbc7fe914 Netherlands (NL) 81b3c985-b241-435c-8df6-0a584b927c14 Spain (ES) 427d8ee9-7e25-405c-a7f4-e848305aad8b Netherlands (NL) 01b87aaa-b947-4047-a80d-782b44892605 Estonia (EE) cf3f2f86-1bad-444c-8269-0e9f91157c9c Greece (GR) 086834cb-61eb-4fa3-93fd-52c04adba777 Portugal (PT) 20059d7b-e633-4722-a642-9f0af013a7f9 Bulgaria (BG) 3d72fe1b-17d0-4aaf-b98c-b1052d324abb Sweden (SE) 4c6c4237-6ab3-486d-85da-810ae805ab09 Poland (PL) d1a2266e-fb4f-4b1b-a238-aa97da55dca0 Germany (DE) a933ee30-b187-4bbb-8496-a75ed35945ef Denmark (DK) f8ef55b6-40f1-4987-b02e-0cc1abc70db1 Germany (DE) 1dfdbbb1-512d-4648-b1ec-2824cf82b27f Croatia (HR) 47d2c496-8e17-438c-86d2-3e5d4828c553 Czech Republic (CZ) 91f97945-0df9-4bcf-8bed-a81030f98474 Poland (PL) ced992aa-980d-40fa-b367-b8a962eeb016 Netherlands (NL) 4d7da6aa-719c-43fd-a6f6-2f6fe4924477 Poland (PL) 14709c0d-402b-47ae-8722-84da0e53b6f6 Norway (NO) 7368f8f4-2303-4d60-9b04-464610d2de5f Finland (FI) 45874c47-f550-4a1e-90be-21f9464539b2 Netherlands (NL) 2d311423-3743-428f-b5b0-ff09fd98627c Netherlands (NL) |

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1BE3063AFF000XXX |
| E-Number (Finland) | 3602496 |
| EAN | 8015644694470 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Dimensions

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

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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 | 1.135 kg |
| Package Level 1 EAN | 8015644694470 |

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 | 3 |
| Opening Time | CB with SOR 15 ms 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 500 V DC |
| Rated Service Short-Circuit Breaking Capacity (I _{cs}) | (220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 11.25 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA |

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|---|---|
| | (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (220 V AC) 25 kA (230 V AC) 25 kA (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_u) | 160 A |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMD |
| Release Type | TM |
| RoHS Date | NA |
| Setting Range | 44.1...63 A |
| Short-Circuit Performance Level | B |
| Standards | IEC60947-2 |
| Sub-type | XT1 |
| Terminal Connection Type | Front |
| Terminal Type | Bolt |
| Tightening Torque | 6 N·m |
| Version | F |
| CAD Dimensional Drawing | 1SDH001295R0008 |

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 |

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|----------------------------|--|
| Object Classification Code | Q |
| 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

