

PRODUCT-DETAILS

XT1B 160 TMD 160-1600 4p F F InN=50%

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General Information

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|-----------------------|---|
| Extended Product Type | XT1B 160 TMD 160-1600 4p F F InN=50% |
| Product ID | 1SDA066820R1 |
| EAN | 8015644694548 |
| Catalog Description | XT1B 160 TMD 160-1600 4p F F InN=50% |
| Long Description | C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A NEUTRAL = 50% PHASES |

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 (CMRT) | 9AKK108467A5658 |
| End of Life Instructions | 9AKK108468A2347 |
| Group Waste to Landfill | UL 2799 Zero Waste To Landfill Validation available |

Target

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| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |
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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 | 0f47cb36-72fe-475b-9d44-e7162dd91cf8 Italy (IT) |
| Simplified SCIP | f3b389ae-ee49-4f3c-ac8e-d9aa64d6309c Poland (PL) 6b679552-522c-4e98-b9ce-44ded6762588 Norway (NO) 55ba062a-70fe-453d-86df-d06fec9ae32d Finland (FI) 9461b33e-03e0-44ca-999e-e6a998cfacd9 Netherlands (NL) 03403a8d-3037-410c-8b89-fe964747db15 Denmark (DK) d5c79654-79e3-4468-8f04-7d01b97952d3 Germany (DE) f01beedf-c29a-49a7-9e6b-9726c78d534f Croatia (HR) d7bc5acf-2cfd-46d0-8b61-d9222f7251dd Czech Republic (CZ) c8ce45bc-d563-4a02-8439-7a9973037324 Poland (PL) 59900f81-babd-48db-98f3-730c4bb583a7 Netherlands (NL) 3df8cff5-a6af-4e4c-8da2-1f1cf2458358 Netherlands (NL) 8a9e0ab1-ddd0-4732-a15f-629488d1d7b0 Estonia (EE) 2dba0553-3a06-4d82-96ee-8f5468b20d8a Greece (GR) 84bfff2d-ab17-4788-889c-104b089752e0 Portugal (PT) 7178081c-1c8e-4ac5-b349-298a1ba6fa1e Bulgaria (BG) 6b75e419-c8c2-42ab-8fd5-75b76d1db38b Sweden (SE) 452acd20-9e7a-4539-a4b5-961431173a77 Poland (PL) 3d7d4679-2709-4d9c-8a78-f6dfac23e0ac France (FR) c235ef43-1cd7-460c-bc13-079a2dc68c50 Germany (DE) a6fc3fa7-b397-4ab3-a9bb-def664af2c9b Sweden (SE) 8e539e72-891c-4ca0-af09-3e5ab3ecd832 Germany (DE) fe1f9b73-5333-4870-a3b4-5c399315d6c0 Germany (DE) 3c755ed1-9f8e-4276-adc9-1f6fc523398c France (FR) 702ebc5d-84ec-46cf-8c90-9064bf328fbc Netherlands (NL) c9ab9560-a8c3-46ca-b1c9-0014085708f1 Spain (ES) 0ff56839-d670-4504-90a9-cd544fd5f037 Netherlands (NL) |

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1BEN160AFF000XXX |
| E-Number (Finland) | 3640503 |
| EAN | 8015644694548 |
| 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 | 1.452 kg |
| Package Level 1 EAN | 8015644694548 |

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 15 W |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Rated Current (I _n) | 160 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) | 1600 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 (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 |

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|---|---|
| | (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 |
| Setting Range | 112...160 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 |

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

