



PRODUCT-DETAILS

XT1B 160 TMD 32-450 3p F F

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| General Information | |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT1B 160 TMD 32-450 3p F F |
| Product ID | 1SDA066802R1 |
| EAN | 8015644694463 |
| Catalog Description | XT1B 160 TMD 32-450 3p F F |
| Long Description | C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A |

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

| Circular Value | |
|---------------------------------------------------|---------------------------------------------------------------|
| 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 |

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| 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 |
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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 | f73e4266-0af4-4cef-b9b3-260c00a910f9 Italy (IT) |
| Simplified SCIP | 7aac2671-b6b8-4dcf-aa1e-3f4dba5449be Germany (DE) 06390208-d394-410e-9842-b8f1aa84ad09 Poland (PL) ce31830e-4feb-4262-8ac1-c0a505cbd58c Norway (NO) 43aad17a-9e80-44f3-9db3-9d6d35642925 Finland (FI) e181dcff-17e3-4829-8167-be0ead9f9f4f Netherlands (NL) 7515b418-fb55-4766-95e2-4323a6ecd612 Germany (DE) 45a6cb81-5081-41fe-a071-5cf38b8adf65 Denmark (DK) ff639201-5b12-440f-821d-3a6c4ce2953c Germany (DE) f913e764-1c76-4c93-9fc0-2a0875805dc8 Croatia (HR) dc0ff913-83d0-4f15-babc-7a856a1b3255 Czech Republic (CZ) b020eae-bcf23-445c-95a4-4f103ce43fa5 Poland (PL) fa9663ae-4d74-4267-a4b0-fcfc539c2914 Netherlands (NL) a409c160-db3e-4860-adba-1d89501dd2c5 Netherlands (NL) aebf759a-29ca-419e-b416-0ecf3b3f9577 Estonia (EE) e0db3e96-345c-4b56-91d0-3a02a89a2482 Greece (GR) 094c590f-e054-4452-9a76-5fb143f976e9 Portugal (PT) 2e656ab5-eff3-4755-bcc3-052950d58ddb Bulgaria (BG) df9ecf69-1483-4540-b0c4-3bdfc49abdad Sweden (SE) c6236bbe-bf16-4be7-9c71-7d042fe7dbe1 Poland (PL) d6074c8c-4abc-41ae-ad9f-fa07173c3572 France (FR) 382fe93d-82da-457d-b30e-7032f1b8681e Sweden (SE) 908a3719-74a3-4ad9-8c4f-413f7b640fe2 Germany (DE) c0dd578e-17bc-4735-a4bd-35aac606fc6d Germany (DE) f358ac58-4638-4878-b499-0f7191ed7405 France (FR) efc96197-3e4f-4d77-a0c4-4a5c216675e2 Netherlands (NL) 9131538b-9a93-4dc4-88d8-690a0b2651e3 Spain (ES) d203dbb9-dd7c-4d5d-ad5c-3e96966e8826 Netherlands (NL) |

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1BE3032AFF000XXX |
| E-Number (Finland) | 3638629 |
| EAN | 8015644694463 |
| 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 | 1.11 kg |
| Package Level 1 EAN | 8015644694463 |

Additional Information

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| 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 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 2.1 W |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Rated Current (I_n) | 32 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) | 450 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 (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 |

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| Recommended Screw Driver | Main Circuit M6 |
| Release | TMD |
| Release Type | TM |
| Setting Range | 22.4...32 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 |
| 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

