



PRODUCT-DETAILS

XT1C 160 TMD 32-450 3p F F

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| General Information | |
|-----------------------|---|
| Extended Product Type | XT1C 160 TMD 32-450 3p F F |
| Product ID | 1SDA067392R1 |
| EAN | 8015644695187 |
| Catalog Description | XT1C 160 TMD 32-450 3p F F |
| Long Description | C.BREAKER TMAX XT1C 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 | 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 | 4e599235-d926-4615-a71c-1de7040d6726 Italy (IT) |
| Simplified SCIP | 77fcc699-7c06-40f6-9ee3-735c153c6dcd Germany (DE) 3fa2a954-0ff2-424c-8c38-69cfcfb7e71 Poland (PL) 016eb8d1-70d2-428e-8610-6b17e417e722 Bulgaria (BG) 0515a311-cda7-4cb2-a92b-07e795ccb927 Sweden (SE) c41feba3-dcbe-4ff6-aa7d-3c65f17f6527 Spain (ES) e4a49827-b15d-4bf7-b12a-d07f41d3c670 Belgium (BE) 375df1ca-6156-42c0-8276-cf8d061e29e5 Germany (DE) 7de2ae1c-0dc5-4e4d-afbf-4dc18e4510dd Poland (PL) 8af8e392-4e25-48bf-a038-1c261e0fdbfe Norway (NO) 02595f39-f557-4a1a-869d-d447af948a58 Finland (FI) 7eade347-a4c7-4ae5-8109-1427d50ed287 Belgium (BE) 2fe2bc3e-fc12-446b-b7fe-318b44a1054a Denmark (DK) 87a04bcd-f6f5-4ded-86b8-93f3056d19e6 Greece (GR) 29ad1ea9-b920-490a-b737-100152dc7a18 Estonia (EE) 71d6aef1-f628-456a-a211-3e53829c15c8 Portugal (PT) 738ae6df-0753-4c0c-b1ed-075d6de5b990 Germany (DE) 8a780108-c8dd-441d-ae51-4bef2592234b Croatia (HR) 90390158-17bd-4b8b-b09e-df85907f43c6 Czech Republic (CZ) 2ae1704b-4034-423f-af47-5dc82d06826d Germany (DE) cb447a4b-0808-4c35-96bd-9c0adb63c697 Hungary (HU) fe90101c-9836-42b3-97a7-974d84e65396 Germany (DE) 611f72f5-49de-432e-ad9c-2760a05032de France (FR) 8d2b95c3-158d-4a08-a7f9-296f71ae1a45 Sweden (SE) 8087afeb-1934-4ed7-be66-48018a2e3f11 Netherlands (NL) 56c61503-9112-4d77-9173-d119116e6188 Poland (PL) 8ee92488-322f-4cc1-b31b-c49e4cd8e124 Hungary (HU) |

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1CE3032AFF000XXX |
| E-Number (Finland) | 3638774 |
| EAN | 8015644695187 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Dimensions

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| Product Net Width | 76.2 mm |
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| 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 | 1.12 kg |
| Package Level 1 EAN | 8015644695187 |

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 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 _i) | 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) 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 |

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| 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 |
| RoHS Date | NA |
| Setting Range | 22.4...32 A |
| Short-Circuit Performance Level | C |
| 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 |

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| 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

