



PRODUCT-DETAILS

XT1S 160 TMD 50-500 4p F F

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| General Information | |
|-----------------------|--|
| Extended Product Type | XT1S 160 TMD 50-500 4p F F |
| Product ID | 1SDA067439R1 |
| EAN | 8015644013332 |
| Catalog Description | XT1S 160 TMD 50-500 4p F F |
| Long Description | C.BREAKER TMAX XT1S 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A |

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

| Circular Value | |
|---|---|
| Circular Design | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| Principles Recyclability Rate | |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| End of Life Instructions | 9AKK108468A2347 |
| Group Waste to Landfill | UL 2799 Zero Waste To Landfill Validation available |

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|--------------------|-----------------|
| Target | |
| Toxic Substances | 9AKK108467A8326 |
| Control Act - TSCA | |

Eco Transparency

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

Environmental

| | |
|---------------------------|--|
| Environmental Information | 9AKK108467A6707 |
| REACH Declaration | 9AKK108466A1425 |
| RoHS Information | 9AKK108466A1424 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1SE4050AFF000XXX |
| EAN | 8015644013332 |
| 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 | 1.4 kg |
| Package Level 1 EAN | 8015644013332 |

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 3.7 W |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Rated Current (I_n) | 50 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) | 500 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) 63.75 kA (230 V AC) 63.75 kA (240 V AC) 63.75 kA (380 V AC) 50 kA (415 V AC) 37.5 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 17.5 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA |
| Rated Ultimate Short- Circuit Breaking Capacity (I_{cu}) | (220 V AC) 85 kA (230 V AC) 85 kA (240 V AC) 85 kA (380 V AC) 50 kA (415 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 36 kA (525 V AC) 35 kA (690 V AC) 8 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA |
| Rated Uninterrupted Current (I_u) | 160 A |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMD |
| Release Type | TM |
| Setting Range | 35...50 A |
| Short-Circuit Performance Level | S |
| Standards | IEC |
| Sub-type | XT1 |
| Terminal Connection Type | Front |
| Terminal Type | Bolt |
| Tightening Torque | 6 N·m |
| Version | F |
| CAD Dimensional | 1SDH001295R0080 |

Drawing

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

