



PRODUCT-DETAILS

XT1B 160 TMD 50-500 4p F F

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| General Information | |
|-----------------------|--|
| Extended Product Type | XT1B 160 TMD 50-500 4p F F |
| Product ID | 1SDA066815R1 |
| EAN | 8015644694524 |
| Catalog Description | XT1B 160 TMD 50-500 4p F F |
| Long Description | C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A |

| ABB EcoSolutions | |
|---|---|
| ABB EcoSolutions | Yes |
| ABB Site Meeting Group Waste To Landfill Target | UL 2799 Zero Waste To Landfill Validation available |
| End Of Life Disassembling Instructions | 9AKK108468A2347 |
| Environmental Product Declaration - EPD | 9AKK108468A1890 9AKK108468A7793 |
| Extended Product Lifetime | Product Modularity |

Recyclability Rate of the Product acc. to EN45555

Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

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|---|--|
| REACH Declaration | 9AKK108466A1425 |
| RoHS Declaration | 9AKK108466A1424 |
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |
| SCIP | bc495a05-c140-4988-9a16-a75662da70e2 Italy |
| Simplified SCIP | ddae66c2-806b-433d-b0a2-0db487196333 Poland 122696f2-3fa0-4945-afb1-410ceb6762e8 Netherlands 9d52a2a2-4fb6-44a0-a705-f65f8ff4be20 Poland c361546f-306a-4455-9f5f-241e24d22663 Bulgaria 942fcae2-db75-42f4-bd74-89204158abed Spain 9e46ddc5-ee73-4d48-949a-668636faf426 Belgium 0fa78f38-ea3b-4be1-b4ef-6fb3654fac5e Germany 944d09ba-f5f8-4f94-8c15-41460326a0b0 Sweden e07051f8-5614-4721-9f3d-5b05cbb51d4 Greece 1ff2493b-dd4b-4ad1-9224-5f6804904a02 Portugal f27b2979-3d6a-4238-ae4b-3c9800cb0795 Denmark 58c725e8-585c-431b-b2c4-5f49a34d5723 Germany 7d8febd2-0e5a-40e1-b06a-797d0f179bb2 Croatia 8f3f0fa5-68a6-45f8-8b84-4cc619fcf13f Germany 946f6757-10e1-43a2-8fdb-01b82bda1e44 Hungary 5595a4f6-e801-4228-8452-7ebe621ef40d Sweden caef1e41-57e1-4860-9c80-347c923506b5 France b50eaabb-fb5d-47d7-b9de-125008569443 Hungary 30d55ba4-87a2-4332-b85b-fd6ef2e0ed5f Germany 34c93eb5-cd33-47a1-a4d5-95b33745f90e Norway 5fbd1ffd-7557-4a7b-8ffc-5e057bfa07c6 Poland 6b97ba35-0f47-4a3f-8cf0-b5fcbf01abf9 Finland e5165853-a978-4a23-9093-7e879bbb452c Belgium 7a3ea3b7-fc81-4249-8880-d25479827c02 Germany 28222e96-8a15-4e07-8024-e0a6b949d329 Estonia 9cf04b3e-483c-4cb2-ba47-11645a801d33 Czech Republic |

Environmental

| | |
|---------------------------|-----------------|
| Environmental Information | 9AKK108467A6707 |
|---------------------------|-----------------|

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1BE4050AFF000XXX |
| E-Number (Finland) | 3640508 |
| E-Number (Norway) | 4309705 |
| EAN | 8015644694524 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Dimensions

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|-------------------|----------|
| Product Net Width | 101.6 mm |
|-------------------|----------|

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|----------------------------|--------|
| 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 | 1.441 kg |
| Package Level 1 EAN | 8015644694524 |

Additional Information

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|---------------------------------------|------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Version | F |
| CAD Dimensional Drawing | 1SDH001295R0080 |

Technical

| | |
|---|--|
| 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 | 4P |
| Opening Time | CB with SOR 30 ms CB with UVR 30 ms |
| Order Multiple | 1 piece |
| Power Loss | at Rated Operating Conditions per Pole 3.7 W |
| Rated Current (I _n) | 50 A |
| Rated Frequency (f) | 50 / 60 Hz |
| 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) 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 |
| Rated Voltage (U _r) | 690 V |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMD |
| Release Type | TM |
| Setting Range | 35...50 A |
| Short-Circuit Performance Level | B |
| Standards | IEC60947-2 |
| Sub-type | XT1 |
| Terminal Connection Type | Front |
| Terminal Type | Bolt |
| Tightening Torque | 6 N·m |

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 |

External Classifications and Standards

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|-----------------------|--|
| ETIM 9 | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| ETIM 10 | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification | Q |

Code

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

