PRODUCT-DETAILS

# XT1B 160 TMD 25-450 4p F F

XT1B 160 TMD 25-450 4p F F



## General Information

| | |
|---|---|
| Extended Product Type | XT1B 160 TMD 25-450 4p F F |
| Product ID | 1SDA066812R1 |
| EAN | 8015644007195 |
| Catalog Description | XT1B 160 TMD 25-450 4p F F |
| Long Description | C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 25-450 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<br>9AKK108468A7793 |
| Extended Product Lifetime | Product Modularity |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |

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## Material Compliance

| | |
|---|---|
| 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 | 8cb3ed1b-4dd2-4c55-a8f6-faabe7c2b9ad Italy |
| Simplified SCIP | 7f55227d-81b0-426c-b95d-87c224a5525b Spain<br>f02605f6-fb0e-4e86-98af-0814a8d0ba70 Hungary<br>d0ab3184-a0e7-41a0-9c0f-b2936d10155f Belgium<br>83abee8b-5b8f-4dae-9018-3f08f8109dfe Germany<br>c49eab37-57f8-4b6e-84c4-ef9413dd28c2 Denmark<br>0b417151-96f3-4697-b26c-15be68f6f56b Sweden<br>a733aefb-7fc4-4b91-aaf8-0cfa9038a88d Croatia<br>c70822c6-3b77-41dc-9438-f29d72d6261c Germany<br>35f94476-ae3c-4f8f-a673-1e1004524daf Germany<br>c55964cb-9eba-4808-98b2-9558a3643a72 Czech Republic<br>e4c49f80-81bb-456a-9545-3af28943ceae France<br>57858120-58a5-4f82-8b27-7242054e05d8 Poland<br>21eb8b7f-fbd0-44f2-afbe-65f5b5470087 Finland<br>a656bff7-6b0a-4bcb-9873-06bcc001c424 Netherlands<br>85de621d-acc3-4fb3-852b-4537b886822d Norway<br>e422f81e-d870-43eb-af88-077488e3c5bc Sweden<br>56123d5f-2c84-40b7-8116-79fa14e412d7 Bulgaria<br>1e925491-bad4-4cda-8f75-8d0f91c758c8 Portugal<br>dd28347b-5e19-4326-831a-d3757956d536 Germany<br>7b88bc6a-b066-4793-9f9d-993f2163e806 Poland<br>0cc592fd-cdbe-4e10-aa1d-7efffb9d65e6 Germany<br>b29ab876-8a3d-4ccc-9943-c92002afdb31 France<br>8ac237d2-0f40-437a-9c46-6cd5a1142107 Greece<br>06173978-d35f-4fd9-ad70-2c549716b779 Poland<br>c1baa18a-7f83-4a85-9554-4483bebe4720 Hungary<br>ba8fae24-e97e-45ec-a566-c60a2adc74b4 Estonia<br>af8d3bdb-26fb-4075-847f-2b2d365fc2f8 Belgium |

## Environmental

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

## Ordering

| | |
|---|---|
| Order Code US and Canada | XT1BE4025AFF000XXX |
| E-Number (Finland) | 3640505 |
| E-Number (Norway) | 4309702 |
| EAN | 8015644007195 |
| 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

| | |
|---|---|
| Package Level 1 Units | box 1 piece |

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| | |
|---|---|
| Package Level 1 Width | 128 mm |
| Package Level 1 Height | 135 mm |
| Package Level 1 Depth / Length | 143 mm |
| Package Level 1 Gross Weight | 1.424 kg |
| Package Level 1 EAN | 8015644007195 |

## Additional Information

| | |
|---|---|
| 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 mm² |
| Current Type | AC/DC |
| Electrical Durability | 120 cycles per hour<br>8000 cycle |
| Mechanical Durability | 240 cycles per hour<br>25000 cycle |
| Number of Poles | 4P |
| Opening Time | CB with SOR 30 ms<br>CB with UVR 30 ms |
| Order Multiple | 1 piece |
| Power Loss | at Rated Operating Conditions per Pole 2 W |
| Rated Current ($I_n$) | 25 A |
| Rated Frequency (f) | 50 / 60 Hz |
| 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<br>500 V DC |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (220 V AC) 25 kA<br>(230 V AC) 25 kA<br>(240 V AC) 25 kA<br>(380 V AC) 18 kA<br>(415 V AC) 18 kA<br>(440 V AC) 11.25 kA<br>(500 V AC) 8 kA<br>(525 V AC) 6 kA<br>(690 V AC) 3 kA<br>(250 V DC) 2 Poles in Series 18 kA<br>(500 V DC) 3 Poles in Series 18 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (220 V AC) 25 kA<br>(230 V AC) 25 kA<br>(240 V AC) 25 kA<br>(380 V AC) 18 kA<br>(415 V AC) 18 kA<br>(440 V AC) 15 kA<br>(500 V AC) 8 kA<br>(525 V AC) 6 kA<br>(690 V AC) 3 kA<br>(250 V DC) 2 Poles in Series 18 kA |

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| | |
|---|---|
| | (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 | 17.5...25 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

| | |
|---|---|
| ATEX Certificate | No certification needed |
| Data Sheet, Technical Information | 1SDC210100D0206<br>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

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

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