PRODUCT-DETAILS

# XT2S 160 TMA 125-1250 3p F F

## XT2S 160 TMA 125-1250 3p F F



### General Information

| | |
|---|---|
| Extended Product Type | XT2S 160 TMA 125-1250 3p F F |
| Product ID | 1SDA067559R1 |
| EAN | 8015644014551 |
| Catalog Description | XT2S 160 TMA 125-1250 3p F F |
| Long Description | C.BREAKER TMAX XT2S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 125 I3=625...1250 A |

### ABB EcoSolutions

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

### Circular Value

| | |
|---|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 55.70 % |
| Conflict Minerals Reporting Template | 9AKK108467A5658 |

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| | |
|---|---|
| (CMRT) | |
| End of Life Instructions | 9AKK108468A2348 |
| Group Waste to Landfill Target | UL 2799 Zero Waste To Landfill Validation available |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |

## Eco Transparency

| | |
|---|---|
| Environmental Product Declaration - EPD | 9AKK108469A1856<br>9AKK108468A1891 |

## 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

| | |
|---|---|
| Order Code US and Canada | XT2SE3125BFF000XXX |
| E-Number (Finland) | 3638053 |
| EAN | 8015644014551 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

## Dimensions

| | |
|---|---|
| Product Net Width | 90 mm |
| Product Net Height | 130 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 1.4 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 130 mm |
| Package Level 1 Height | 208 mm |
| Package Level 1 Depth / Length | 145 mm |
| Package Level 1 Gross Weight | 1.655 kg |
| Package Level 1 EAN | 8015644014551 |

## Additional Information

| | |
|---|---|
| Circuit Breaker Type to be Associated | Power Distribution |
| Connecting Capacity | Busbar 32.5..100 $mm^2$ |

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| Main Circuit | |
|---|---|
| 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 | 3 |
| Opening Time | CB with SOR 15 ms<br>CB with UVR 15 ms |
| Order Multiple | 1 piece |
| Power Loss | at Rated Operating Conditions per Pole 11.4 W |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Rated Current ($I_n$) | 125 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 ($I_i$) | 625…1250 A |
| Rated Insulation Voltage ($U_i$) | 1000 V |
| Rated Operational Voltage | 690 V AC<br>500 V DC |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(240 V AC) 85 kA<br>(380 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 50 kA<br>(500 V AC) 36 kA<br>(525 V AC) 25 kA<br>(690 V AC) 12 kA<br>(250 V DC) 2 Poles in Series 50 kA<br>(500 V DC) 3 Poles in Series 50 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(240 V AC) 85 kA<br>(380 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 50 kA<br>(500 V AC) 36 kA<br>(525 V AC) 25 kA<br>(690 V AC) 12 kA<br>(250 V DC) 2 Poles in Series 50 kA<br>(500 V DC) 3 Poles in Series 50 kA |
| Rated Uninterrupted Current ($I_u$) | 160 A |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMA |
| Release Type | TM |
| Setting Range | 87.5...125 A |
| Short-Circuit Performance Level | S |
| Standards | IEC60947-2 |
| Sub-type | XT2 |
| Terminal Connection Type | Front |

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| | |
|---|---|
| Terminal Type | Bolt |
| Tightening Torque | 6 N·m |
| Version | F |
| CAD Dimensional Drawing | 1SDH002230A1001 |

## Certificates and Declarations

| | |
|---|---|
| ATEX Certificate | No certification needed |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE | 9AKK106713A5901 |
| GL Certificate | 1SDL000163R0093 |
| LR Certificate | 1SDL000163R0100 |
| UL Certificate | No certification needed |
| VDE Certificate | No certification needed |
| Dimension Diagram | 1SDH000721R0100 |
| Mechanical Drawings | 1SDH000721R0100 |
| Wiring Diagram | 1SDM000068R0001 |
| Instructions and Manuals | 1SDH000721R0001 |

## Classifications

| | |
|---|---|
| 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

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