PRODUCT-DETAILS

# XT2N 160 TMA 80-800 3p F F

## XT2N 160 TMA 80-800 3p F F



### General Information

| | |
|---|---|
| Extended Product Type | XT2N 160 TMA 80-800 3p F F |
| Product ID | 1SDA067017R1 |
| EAN | 8015644009236 |
| Catalog Description | XT2N 160 TMA 80-800 3p F F |
| Long Description | C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 80 I3=400...800 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 | 9AKK108468A2348 |
| Environmental Product Declaration - EPD | 9AKK108469A1856<br>9AKK108468A1891 |
| Extended Product Lifetime | Product Modularity |

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| | |
|---|---|
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 55.70 % |

## 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 | 69c4e18d-0ab2-4944-943a-82f8a020de52 Italy |
| Simplified SCIP | eb1e3c1e-203f-48c5-9708-06b205da319e Hungary<br>d4c1fc83-b7ed-45f8-a5cc-8f567b6d773d Spain<br>4cc3c653-7baf-4337-8869-c8ebc51f661b Belgium<br>07200370-2e05-4b60-8e4c-3123aebccf04 France<br>6a3a9ec7-3143-435f-b25b-dc8ae2e7e3c7 Hungary<br>984127c1-5e8f-4bbc-92df-180ca4bf29a3 Czech Republic<br>502d54f4-b093-428a-98b6-d7f269f2ab0d Portugal<br>a277c07b-35fe-4a25-bc38-a72356fcd288 Germany<br>8bb7566d-79b8-4aad-bcf4-b1b62344c024 Denmark<br>1a6af640-1a22-4044-92cf-227622596731 Sweden<br>826ca3db-9ce4-463b-b329-6f9fa8e6cec2 Germany<br>b3b85b81-a17a-4656-ba48-098625f79ebe Germany<br>5aaa7d00-e450-4b8b-9cbc-7197dd2a10a7 Croatia<br>a2fd7051-38f1-488e-994d-2665dafc0f05 Norway<br>e6546c71-b740-4ac3-8e2b-a96172d5cc7d Netherlands<br>45cbb033-9e0a-4a0f-a2b5-e52467a24a6c Sweden<br>0ae5f635-2c9c-4d6d-b444-cddbbe53e6c5 Bulgaria<br>f0d8fd84-336c-4aae-8237-e08eccbdfe0b Poland<br>05f0b095-37ed-42d5-aee5-3791ab7894e2 Poland<br>8348c1cc-caae-49a9-adaf-239bd22e462e Germany<br>a263a282-fbc2-45f9-9e64-6e4ece74e656 Germany<br>35dd4cc5-65fb-47a4-8016-ca2541885a03 Belgium<br>831d7733-fe2a-464d-93fe-91118cf67e37 Estonia<br>bb975baa-d139-4aa7-b229-f170636feaf2 Greece<br>d205e574-9a51-4c78-bdfe-fb33c3141c34 France<br>8a96586b-6dac-4e38-9db5-aca801a4ab55 Finland<br>1ae9475f-f7ca-4749-af88-21bbff37765a Poland |

## Environmental

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

## Ordering

| | |
|---|---|
| Order Code US and Canada | XT2NE3080BFF000XXX |
| E-Number (Finland) | 3638651 |
| E-Number (Norway) | 4309643 |
| EAN | 8015644009236 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

## Dimensions

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| | |
|---|---|
| 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 | 1.667 kg |
| Package Level 1 EAN | 8015644009236 |

## 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 | 1SDH002230A1001 |

## Technical

| | |
|---|---|
| Connecting Capacity Main Circuit | Busbar 32.5..100 $mm^2$ |
| 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 | 3P |
| 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 5.8 W |
| Rated Current ($I_n$) | 80 A |
| Rated Frequency (f) | 50 / 60 Hz |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 8 kV |
| Rated Instantaneous Short-Circuit Current Setting ($I_i$) | 400…800 A |
| Rated Insulation Voltage ($U_i$) | 1000 V |
| Rated Operational Voltage | 690 V AC<br>500 V DC |
| Rated Service Short-Circuit Breaking | (220 V AC) 65 kA<br>(230 V AC) 65 kA |

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| | |
|---|---|
| Capacity ($I_{cs}$) | (240 V AC) 65 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 36 kA<br>(500 V AC) 30 kA<br>(525 V AC) 20 kA<br>(690 V AC) 10 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 36 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (220 V AC) 65 kA<br>(230 V AC) 65 kA<br>(240 V AC) 65 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 36 kA<br>(500 V AC) 30 kA<br>(525 V AC) 20 kA<br>(690 V AC) 10 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 36 kA |
| Rated Uninterrupted Current ($I_u$) | 160 A |
| Rated Voltage ($U_r$) | 690 V |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMA |
| Release Type | TM |
| Setting Range | 56...80 A |
| Short-Circuit Performance Level | N |
| Standards | IEC60947-2 |
| Sub-type | XT2 |
| 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 | 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 |

## 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 |

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|---|---|
| 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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