

PRODUCT-DETAILS

XT2N 160 TMA 160-1600 3p F F
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| General Information | |
|-----------------------|--|
| Extended Product Type | XT2N 160 TMA 160-1600 3p F F |
| Product ID | 1SDA067020R1 |
| EAN | 8015644009267 |
| Catalog Description | XT2N 160 TMA 160-1600 3p F F |
| Long Description | C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 160 I3=800...1600 A |

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

| Circular Value | |
|---|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 58.1 % |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| End of Life Instructions | 9AKK108468A2348 |
| Group Waste to Landfill | UL 2799 Zero Waste To Landfill Validation available |

Target

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|-------------------------------------|-----------------|
| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |
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Eco Transparency

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|---|-----------------|
| Environmental Product Declaration - EPD | 9AKK108468A1891 |
|---|-----------------|

Environmental

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|---------------------------|--|
| Environmental Information | 9AKK108467A6707 |
| REACH Declaration | 9AKK108466A1425 |
| RoHS Information | 9AKK108466A1424 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| SCIP | d519e276-d4b0-4b42-8a55-c1a563681fc8 Italy (IT) |
| Simplified SCIP | a2e7e927-2395-4bdc-be8d-810d0cb0ae45 Portugal (PT) e89088df-21ed-4d26-b95c-a0480b45024d Bulgaria (BG) e5f2f46a-2fd6-4c7e-bb25-a46cf48987e3 France (FR) 6e917ee4-4216-40f5-a8a3-e310dc60dc70 Norway (NO) e5692b23-c0ac-4f4c-8b6c-d1ade35c30c2 Finland (FI) 45c61df3-6641-4084-81a3-7d93bafd3854 Netherlands (NL) 911050ef-ac90-4e21-b4b9-a662112db80f Spain (ES) 24003ffc-e1a5-47bb-a8b8-451202db8f05 Netherlands (NL) eda1b4f0-a70f-4d5d-9cd4-b12af82bd479 Poland (PL) 6a135342-7f65-41e7-bf92-aafb3e7dba8f Sweden (SE) e90f788c-8237-4208-bcbb-b57b6e8c6f34 Poland (PL) 6bde395d-b3ce-4547-bfe6-9d0f2acce853 Sweden (SE) 7baa1ff8-47fc-47fa-9a52-115afb224150 Germany (DE) 21953dfb-88b7-46f1-aef2-9ca2ee14f1ce Germany (DE) 80fdd440-e1f4-40c8-84f2-ebdf68d25284 France (FR) 7e70c592-6fe7-42ff-b672-c12bef9daa96 Netherlands (NL) ca62c6c8-a70f-4cc1-aaa4-dca46695e677 Germany (DE) cbc6c65f-2667-4430-9264-3c5c6ef91dd8 Denmark (DK) b8480e5f-7d16-408a-8c42-d667687e8b3c Germany (DE) d5a93a62-0ed3-46a8-bbb0-0a366c1f5015 Croatia (HR) 49681ffe-e667-4540-8372-39afd4cfc136 Czech Republic (CZ) 86caf239-3aec-4c05-be83-437f0192df0c Poland (PL) c2be7ce5-f3a1-4875-a255-24d9e26372b6 Netherlands (NL) c4510edb-e303-4d7c-a5e9-ec2994672c7b Netherlands (NL) 08c21b77-aaa8-4840-ad41-8c49aec664ef Estonia (EE) aeaa3db2-98c3-4a85-998b-8b9815801ce8 Greece (GR) |

Ordering

| | |
|--------------------------|--------------------|
| Order Code US and Canada | XT2NE3160BFF000XXX |
| E-Number (Finland) | 3638177 |
| EAN | 8015644009267 |
| 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 | 1.657 kg |
| Package Level 1 EAN | 8015644009267 |

| Additional Information | |
|---|--|
| Circuit Breaker Type to be Associated | Power Distribution |
| Connecting Capacity Main Circuit | Busbar 32.5..100 mm² |
| Current Type | AC/DC |
| Electrical Durability | 120 cycles per hour 8000 cycle |
| Mechanical Durability | 240 cycles per hour 25000 cycle |
| Number of Poles | 3 |
| Opening Time | CB with SOR 15 ms CB with UVR 15 ms |
| Order Multiple | 1 piece |
| Power Loss | at Rated Operating Conditions per Pole 16.15 W |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Rated Current (I_n) | 160 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_t) | 800...1600 A |
| Rated Insulation Voltage (U_i) | 1000 V |
| Rated Operational Voltage | 690 V AC 500 V DC |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 36 kA (500 V AC) 30 kA (525 V AC) 20 kA (690 V AC) 10 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 36 kA |

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|---------------------------------------|--|
| | (500 V AC) 30 kA (525 V AC) 20 kA (690 V AC) 10 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 kA |
| Rated Uninterrupted Current (I_u) | 160 A |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMA |
| Release Type | TM |
| RoHS Date | NA |
| Setting Range | 112...160 A |
| Short-Circuit Performance Level | N |
| Standards | IEC |
| Sub-type | XT2 |
| Terminal Connection Type | Front |
| Terminal Type | Bolt |
| Tightening Torque | 6 N·m |
| Version | F |
| CAD Dimensional Drawing | 1SDH002230A1001 |

Certificates and Declarations

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

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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 |
| IDEA Granular Category Code (IGCC) | 4927 >> Molded case circuit breakers |
| Object Classification Code | Q |
| UNSPSC | 39121616 |
| 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

