



PRODUCT-DETAILS

XT1C 160 TMD 80-800 3p F F

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| General Information | |
|-----------------------|---|
| Extended Product Type | XT1C 160 TMD 80-800 3p F F |
| Product ID | 1SDA067396R1 |
| EAN | 8015644695200 |
| Catalog Description | XT1C 160 TMD 80-800 3p F F |
| Long Description | C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 80-800 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 | 9AKK108468A2347 |
| Environmental Product Declaration - EPD | 9AKK108468A1890 9AKK108468A7793 |
| 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 | 62bbce4d-080f-4d86-9d81-b900472c629b Italy |
| Simplified SCIP | 479f51fc-294e-4dd6-895e-e829ac0b81e1 Poland 55b895cf-afa9-4baa-9ab8-1a4e51392550 France 2ff5a69b-4b7b-4aa0-aaca-580fc33c244a Sweden c6d4ab2c-2876-4862-a074-95b19ec7a5db Germany 0564b919-5fdc-4fac-83de-b868b1cf479a Hungary 30e03275-97e9-43fd-950a-c41477e4f724 Hungary 3f2635c8-8b68-4411-83d9-38c9ab429218 Germany b059d5cc-c10c-470b-b91a-8c5fba296910 Poland 352d50a8-6362-4006-aab7-149019f3a151 Netherlands ddd923fd-da41-4ae8-91dc-fc97e42eee32 Bulgaria 9afe4ace-6b6c-49ee-9880-5a365d758903 Belgium 752d4914-a434-422a-bf45-6467cc38fa93 Spain a1bdc34a-9ba6-4c5a-8124-e25737c8623e Sweden 59c45024-6b55-426e-939d-feef3baa0f33 Poland 76b7bfaf-8556-461f-9862-8cef9d327ecc Norway 99ecf823-5fdb-4e14-abf2-810261830484 Finland 7385ef91-2bd9-48a2-8c37-7dd4b14991c9 Belgium d34e8069-d92d-4d9f-bce5-dfbd55f31e6d Germany f93d3bb5-6874-4bfb-bc53-7426f177f77d Greece 264b5eaa-e9ff-4830-b97e-bc7991ec2f8c Portugal abf903d0-ee30-4afb-bf25-aff4181635e9 Germany 6ac49de9-8f8e-476d-816d-1483a6ffa760 Croatia 0acc9fa6-ca0e-4ffb-b2ca-63b2beae6d3f Czech Republic 3e3ac273-7275-4ca1-b62e-88cce695e24b Germany 34880d7b-26c8-439a-b0c3-541a658baddc Estonia eb832ab9-ab8e-4a4f-8384-e601ee2473be Denmark |

Environmental

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

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1CE3080AFF000XXX |
| E-Number (Finland) | 3638627 |
| E-Number (Norway) | 4309616 |
| EAN | 8015644695200 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Dimensions

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| Product Net Width | 76.2 mm |
| Product Net Height | 130 mm |
| Product Net Depth / Length | 70 mm |

Product Net Weight 1.1 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 | 1.133 kg |
| Package Level 1 EAN | 8015644695200 |

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 | 1SDH001295R0008 |

Technical

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|---|---|
| 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 | 3P |
| Opening Time | CB with SOR 30 ms CB with UVR 30 ms |
| Order Multiple | 1 piece |
| Power Loss | at Rated Operating Conditions per Pole 4.8 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) | 800 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) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA |

| | |
|---|------------------------------------|
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (525 V AC) 8 kA |
| | (690 V AC) 4 kA |
| | (250 V DC) 2 Poles in Series 25 kA |
| | (500 V DC) 3 Poles in Series 25 kA |
| | (220 V AC) 40 kA |
| | (230 V AC) 40 kA |
| | (240 V AC) 40 kA |
| | (380 V AC) 25 kA |
| | (415 V AC) 25 kA |
| | (440 V AC) 25 kA |
| (500 V AC) 18 kA | |
| (525 V AC) 8 kA | |
| (690 V AC) 4 kA | |
| (250 V DC) 2 Poles in Series 25 kA | |
| (500 V DC) 3 Poles in Series 25 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 | 56...80 A |
| Short-Circuit Performance Level | C |
| 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 Code | Q |
| UNSPSC | 39120000 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

