



PRODUCT-DETAILS

XT1N 160 TMD 25-450 3p F F

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Submitted by TECO Group

| General Information | |
|------------------------|---|
| Extended Product Type: | XT1N 160 TMD 25-450 3p F F |
| Product ID: | 1SDA080829R1 |
| EAN: | 8015644873479 |
| Catalog Description: | XT1N 160 TMD 25-450 3p F F |
| Long Description: | C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 25-450 A |
| Display Name: | XT1N 160 TMD 25-450 3p F F |

| 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 |
| Extended Product Lifetime: | Product Modularity |

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: | 4f732c04-da59-46ec-be08-b02d40594d67 Italy |
| Simplified SCIP: | 54bfab12-fffd-41e1-81cf-27745fc89289 Poland 95cfeebc-2d78-40ac-bb04-a6a319c63919 Germany 9f04b21c-08e8-4678-bb6f-727f921c9b64 France 99cd369a-c41d-4846-9206-f6ed3688dfb9 Sweden a1ec2e80-07f1-45ea-b6fc-0ccdf2b9155e Germany 0b02a490-25a6-4511-8b12-be0ad33b44e4 Bulgaria bcdb250e-a18f-4f04-939b-37e9e072ebb5 Hungary 7bbde00e-c7f5-452c-8dd7-ae6129c5ebe4 France 3eb89ecd-94cf-4f9e-897d-188cc4965f95 Belgium 415e8b3d-be88-4c9a-83eb-674e53076c28 Spain d7833592-adfc-483e-9920-6fb2d8529246 Portugal 7d756db2-9e1d-4ed5-9292-515c07b53c62 Croatia f38bcb15-3246-4645-ae39-bf4648007428 Greece 3df29214-5319-430c-9cba-983b1f703e95 Estonia faac1efa-2de9-46cb-8c3d-98b106f95f10 Netherlands dde803ff-8055-43b7-bef8-638da0b437f6 Hungary d3058aac-b1c6-446c-b484-a9d6cd1065b7 Denmark 0a5e529e-b8a3-4b13-8a3d-1309cfdde5c4 Germany 7bdd20e7-bfd1-47a0-999f-0977285a20d9 Poland 53236f74-3cc7-44e2-b4fd-0370a236b293 Czechia 3c4f9c4f-d334-46e4-9dbe-0dabe554b5aa Sweden a21796d3-5ef1-44fb-9e43-4d4a82be60f7 Poland 732d2850-3bae-4df8-94e4-9f0153395e4d Finland 2386d884-855a-48ac-b106-c2b91a453f11 Germany 858577bf-3bf0-48dc-8dca-8dec2b6df521 Belgium f25fe13b-f58d-40db-bc46-b524f68b28da Norway 54041801-8a2c-419c-a1fb-1f17326bbab5 Germany |

Environmental

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|-----------------------------------|-----------------|
| Environmental Information: | 9AKK108467A6707 |
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Ordering

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|----------------------------------|--------------------|
| Order Code US and Canada: | XT1NE3025AFF000XXX |
| E-Number (Finland): | 3640528 |
| E-Number (Norway): | 4379202 |
| EAN: | 8015644873479 |
| 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 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: | 1.1 kg |
| Package Level 1 EAN: | 8015644873479 |

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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| 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: | 6 W |
| Rated Current (I_n): | 160 A |
| 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 |

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|---|---|
| Rated Operational Voltage: | 690 V |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}): | (220 V AC) 50 kA (230 V AC) 50 kA (240 V AC) 50 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 18 kA (500 V AC) 15 kA (525 V AC) 11 kA (690 V AC) 5 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 (500 V AC) 30 kA (525 V AC) 22 kA (690 V AC) 6 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 |
| Rated Voltage (U_r): | 690 V |
| Release: | TMD |
| Release Type: | TM |
| Setting Range: | 17.5...25 A |
| Short-Circuit Performance Level: | N |
| Standards: | IEC60947-2 |
| Sub-type: | XT1 |
| Terminal Connection Type: | Front |

Certificates and Declarations

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|---|------------------------------------|
| Data Sheet, Technical Information: | 1SDC210100D0206 1SDC210099D0206 |
| Declaration of Conformity - CE: | 9AKK106713A5532 |
| 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 |
| WEEE Category: | 5. Small Equipment (No External Dimension More Than 50 cm) |
| eClass: | V11.1 : 27370409 |

Accessories

| Identifier | Description | Type | Qty | Unit Of Measure |
|--------------|--|--|-----|-----------------|
| 1SDA066305R1 | ADP MONT. FIXED TERM. x PF XT1 3p | ADP MONT. FIXED TERM. x PF XT1 3p | 1 | piece |
| 1SDA066865R1 | KIT EF XT1 3pcs | KIT EF XT1 3pcs | 1 | piece |
| 1SDA066867R1 | KIT EF XT1 6pcs | KIT EF XT1 6pcs | 1 | piece |
| 1SDA066260R1 | KIT EF FP XT1 3pcs | KIT EF FP XT1 3pcs | 1 | piece |
| 1SDA066889R1 | KIT ES XT1 3pcs | KIT ES XT1 3pcs | 1 | piece |
| 1SDA066891R1 | KIT ES XT1 6pcs | KIT ES XT1 6pcs | 1 | piece |
| 1SDA066957R1 | KIT FB XT1 3pcs | KIT FB XT1 3pcs | 1 | piece |
| 1SDA066959R1 | KIT FB XT1 6pcs | KIT FB XT1 6pcs | 1 | piece |
| 1SDA066905R1 | KIT FC Cu XT1 3pcs | KIT FC Cu XT1 3pcs | 1 | piece |
| 1SDA066907R1 | KIT FC Cu XT1 6pcs | KIT FC Cu XT1 6pcs | 1 | piece |
| 1SDA067151R1 | KIT FC CuAl 1x1,5...70mm2 XT1 3pcs | KIT FC CuAl 1x1,5...70mm2 XT1 3pcs | 1 | piece |
| 1SDA067153R1 | KIT FC CuAl 1x1,5...70mm2 XT1 6pcs | KIT FC CuAl 1x1,5...70mm2 XT1 6pcs | 1 | piece |
| 1SDA067155R1 | KIT FC CuAl 1x35...95mm2 XT1 3pcs | KIT FC CuAl 1x35...95mm2 XT1 3pcs | 1 | piece |
| 1SDA067157R1 | KIT FC CuAl 1x35...95mm2 XT1 6pcs | KIT FC CuAl 1x35...95mm2 XT1 6pcs | 1 | piece |
| 1SDA067159R1 | KIT FC CuAl 1x120...240mm2 XT1 3pcs +ADP | KIT FC CuAl 1x120...240mm2 XT1 3pcs +ADP | 1 | piece |
| 1SDA067161R1 | KIT FC CuAl 1x120...240mm2 XT1 6pcs +ADP | KIT FC CuAl 1x120...240mm2 XT1 6pcs +ADP | 1 | piece |
| 1SDA066921R1 | KIT MC CuAl 6x2.5...35mm2 XT1 3pcs | KIT MC CuAl 6x2.5...35mm2 XT1 3pcs | 1 | piece |
| 1SDA066923R1 | KIT MC CuAl 6x2.5...35mm2 XT1 6pcs | KIT MC CuAl 6x2.5...35mm2 XT1 6pcs | 1 | piece |
| 1SDA066937R1 | KIT R XT1 3pcs | KIT R XT1 3pcs | 1 | piece |
| 1SDA066939R1 | KIT R XT1 6pcs | KIT R XT1 6pcs | 1 | piece |
| 1SDA066664R1 | HTC XT1 3p TERMINAL COVERS HIGH 2pcs | HTC XT1 3p TERMINAL COVERS HIGH 2pcs | 1 | piece |
| 1SDA066655R1 | LTC XT1 3p TERMINAL COVERS LOW 2pcs | LTC XT1 3p TERMINAL COVERS LOW 2pcs | 1 | piece |
| 1SDA068954R1 | PB 90mm FP 6pcs XT1..XT4 4p KIT DI.PH.RE | PB 90mm FP 6pcs XT1..XT4 4p KIT DI.PH.RE | 1 | piece |
| 1SDA066652R1 | KIT DIN50022 XT1 3p PLATE DIN | KIT DIN50022 XT1 3p PLATE DIN | 1 | piece |
| 1SDA066268R1 | KIT R FP XT1 3pcs | KIT R FP XT1 3pcs | 1 | piece |
| 1SDA067122R1 | RC Inst HV 85...690Vac XT1 3p F | RC Inst HV 85...690Vac XT1 3p F | 1 | piece |
| 1SDA067123R1 | RC Sel HV 85...690Vac XT1 3p F | RC Sel HV 85...690Vac XT1 3p F | 1 | piece |

Categories

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



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