



PRODUCT-DETAILS

XT1N 160 TMD 125-1250 3p F F

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| General Information | |
|-----------------------|---|
| Extended Product Type | XT1N 160 TMD 125-1250 3p F F |
| Product ID | 1SDA067417R1 |
| EAN | 8015644013110 |
| Catalog Description | XT1N 160 TMD 125-1250 3p F F |
| Long Description | C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 125-1250 A |

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

| Circular Value | |
|--|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| End of Life Instructions | 9AKK108468A2347 |
| Group Waste to Landfill Target | UL 2799 Zero Waste To Landfill Validation available |

Eco Transparency

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|---|------------------------------------|
| Environmental Product Declaration - EPD | 9AKK108468A1890 9AKK108468A7793 |
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Environmental

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|---------------------------|-----------------|
| Environmental Information | 9AKK108467A6707 |
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Material Compliance

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| REACH Declaration | 9AKK108466A1425 |
| RoHS Information | 9AKK108466A1424 |
| RoHS Status | 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 |

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|-----------------|---|
| SCIP | a017b995-7677-4032-97d0-70955e42da44 Italy (IT) |
| Simplified SCIP | 1674f522-863e-4b10-9b22-1392e649868f Germany (DE) 1016c0d9-6b2f-4541-9731-ae5e514b612c Poland (PL) edbc41b2-977e-4e62-bf57-c577ff37b752 Norway (NO) 8fc64a28-bf02-4bab-816f-7f1ea8cfd665 Finland (FI) 43a45886-4e27-4a3e-ac1b-8b1e0104ca73 Netherlands (NL) 4fcbf66a-4b6b-46af-ac6f-59cb9aa340de Germany (DE) 9e0ae2d2-e0b9-4228-be20-f5c865206c7c Denmark (DK) 20885196-3e38-4106-9f6c-8d28627c13b2 Germany (DE) 343aaf43-b98c-4a34-9ed6-a9b69238da5b Germany (DE) 2c159a70-312e-4644-b3d1-94e378e10a86 Germany (DE) 809033fa-336d-4222-bc6d-efdad3dc5cf France (FR) 2aeb223c-861a-44a1-a400-158a4cdeb813 Croatia (HR) 22571705-23bb-4a04-b01e-c24dd2ed0c42 Czech Republic (CZ) b2a78f6a-a79e-40fa-a74c-1288ca44ffc3 Poland (PL) 1237e344-5721-4e92-ba26-495240e92ab2 Netherlands (NL) afa7cc49-fb95-4dcf-b06f-b5ca40347ffd Netherlands (NL) a80945a7-a1d7-4591-a902-0d7f35f16fdf Estonia (EE) e85dc33f-4046-4d61-a81c-b669d5302bcc Greece (GR) 996e3faf-cb89-42ac-936a-470cbacce407 Portugal (PT) 343aaf43-b98c-4a34-9ed6-a9b69238da5b Germany (DE) 2c159a70-312e-4644-b3d1-94e378e10a86 Germany (DE) 809033fa-336d-4222-bc6d-efdad3dc5cf France (FR) 0444e024-95d5-44cc-bb85-a31adfd5c119 Netherlands (NL) ee5df21b-fa7d-489e-a92d-46638bb22341 Spain (ES) 446e2120-ac60-44e4-aae9-f4f832038592 Netherlands (NL) de89bfae-43b5-4256-924a-7387070e4c4f Bulgaria (BG) 8c45bbc7-0bae-4794-b9f3-2952b5b9fe76 Sweden (SE) 446e2120-ac60-44e4-aae9-f4f832038592 Netherlands (NL) b24cbc91-fe23-4da5-8766-52ace4f2b836 Poland (PL) dbfc548b-8fe0-4a7b-9c71-47814e8b77cf France (FR) 3155e223-d2f5-457b-ad5a-bf70d2814bc8 Sweden (SE) 0444e024-95d5-44cc-bb85-a31adfd5c119 Netherlands (NL) ee5df21b-fa7d-489e-a92d-46638bb22341 Spain (ES) 1016c0d9-6b2f-4541-9731-ae5e514b612c Poland (PL) edbc41b2-977e-4e62-bf57-c577ff37b752 Norway (NO) 8c45bbc7-0bae-4794-b9f3-2952b5b9fe76 Sweden (SE) b24cbc91-fe23-4da5-8766-52ace4f2b836 Poland (PL) dbfc548b-8fe0-4a7b-9c71-47814e8b77cf France (FR) 3155e223-d2f5-457b-ad5a-bf70d2814bc8 Sweden (SE) 8fc64a28-bf02-4bab-816f-7f1ea8cfd665 Finland (FI) 43a45886-4e27-4a3e-ac1b-8b1e0104ca73 Netherlands (NL) 4fcbf66a-4b6b-46af-ac6f-59cb9aa340de Germany (DE) 9e0ae2d2-e0b9-4228-be20-f5c865206c7c Denmark (DK) 20885196-3e38-4106-9f6c-8d28627c13b2 Germany (DE) 2aeb223c-861a-44a1-a400-158a4cdeb813 Croatia (HR) 22571705-23bb-4a04-b01e-c24dd2ed0c42 Czech Republic (CZ) b2a78f6a-a79e-40fa-a74c-1288ca44ffc3 Poland (PL) 1237e344-5721-4e92-ba26-495240e92ab2 Netherlands (NL) afa7cc49-fb95-4dcf-b06f-b5ca40347ffd Netherlands (NL) a80945a7-a1d7-4591-a902-0d7f35f16fdf Estonia (EE) e85dc33f-4046-4d61-a81c-b669d5302bcc Greece (GR) |

996e3faf-cb89-42ac-936a-470cbacce407 Portugal (PT)
de89bfae-43b5-4256-924a-7387070e4c4f Bulgaria (BG)

Ordering

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|------------------------|---------------|
| E-Number (Finland) | 3640520 |
| E-Number (Sweden) | 3182428 |
| EAN | 8015644013110 |
| 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 | 1.141 kg |
| Package Level 1 EAN | 8015644013110 |

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 | 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 10.7 W |
| Rated Current (I _n) | 125 A |
| Rated Frequency (f) | 50 / 60 Hz |
| Rated Impulse Withstand | 8 kV |

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|---|---|
| Voltage (U_{imp}) | |
| Rated Instantaneous Short-Circuit Current Setting (I_i) | 1250 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) 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 |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMD |
| Release Type | TM |
| Setting Range | 87.5...125 A |
| Short-Circuit Performance Level | N |
| 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 |

Classifications

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| ETIM 8 | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
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|----------------------------|--|
| 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

