



PRODUCT-DETAILS

XT1S 160 TMD 125-1250 3p F F

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| General Information | |
|-----------------------|---|
| Extended Product Type | XT1S 160 TMD 125-1250 3p F F |
| Product ID | 1SDA067435R1 |
| EAN | 8015644013295 |
| Catalog Description | XT1S 160 TMD 125-1250 3p F F |
| Long Description | C.BREAKER TMAX XT1S 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 | f49e4001-b08f-46d2-aec9-37b945766b1d Italy (IT) |
| Simplified SCIP | d9429212-2566-4a0c-90aa-87c392ffd0f1 Germany (DE) cfe829c4-b6c3-4879-9507-f15039ffd86c Sweden (SE) 2a94369a-734b-4df7-8fcf-c36922f1aba0 Poland (PL) 1cdbca59-5f98-44a2-835f-d055e7924342 France (FR) 27f49697-30c4-477a-b4fb-7271aa4f48cb Poland (PL) 9127d225-fc4c-41c3-bd74-bcb68dd46d1b Norway (NO) f98eaf2e-b87a-41ce-97c6-879625fb971b Finland (FI) 79501aa2-5248-44da-a7b0-808e13ef71b9 Netherlands (NL) 512432ce-69af-49af-b82b-7260dc6b76a8 Germany (DE) 6d095fbb-3bba-4f6e-87eb-1a4c92c94602 Denmark (DK) d0a98648-603b-4c77-bb62-99a655c21541 Germany (DE) 08b211a3-b478-4784-a423-35db653a0e71 Croatia (HR) 22741f6d-824f-4ff3-abf8-d0b1c0263f08 Czech Republic (CZ) 468b16fc-4fb5-4a77-b48d-e7939637d3a4 Poland (PL) d753857d-60c7-456b-a13c-7595c65cdfc6 Spain (ES) e476f6db-ca78-4f98-8f4f-c38fe9bc0031 Netherlands (NL) c119fa8f-cab9-4902-b2f9-ec577586e6fe Bulgaria (BG) cfe829c4-b6c3-4879-9507-f15039ffd86c Sweden (SE) e476f6db-ca78-4f98-8f4f-c38fe9bc0031 Netherlands (NL) 2a94369a-734b-4df7-8fcf-c36922f1aba0 Poland (PL) e5ffbce1-7a2e-4c5a-8693-0fa33da75ed7 Netherlands (NL) 485650d8-2a42-4080-8208-3aaf52652d23 Netherlands (NL) cb02c5ac-ea0b-4278-aea1-b11b43ba863d Estonia (EE) ae988fe3-380c-4310-884d-5b8d120a6e1c Greece (GR) e72967d3-5e07-4ddc-9adf-2a92a33d7af1 Portugal (PT) 72006772-dc2f-42ba-bf7a-eea75a5fe43d Sweden (SE) 131e1472-b737-4e6c-8a83-2765eb48e459 Germany (DE) 2c1366ff-ebab-438d-b493-910828f8de0e Germany (DE) f437e8ce-11bd-4a59-ba5d-53075c7c543a France (FR) ace5b4f1-ff53-4adb-a0da-a497a76c3ced Netherlands (NL) 1cdbca59-5f98-44a2-835f-d055e7924342 France (FR) 72006772-dc2f-42ba-bf7a-eea75a5fe43d Sweden (SE) 131e1472-b737-4e6c-8a83-2765eb48e459 Germany (DE) 2c1366ff-ebab-438d-b493-910828f8de0e Germany (DE) f437e8ce-11bd-4a59-ba5d-53075c7c543a France (FR) ace5b4f1-ff53-4adb-a0da-a497a76c3ced Netherlands (NL) d753857d-60c7-456b-a13c-7595c65cdfc6 Spain (ES) 27f49697-30c4-477a-b4fb-7271aa4f48cb Poland (PL) 9127d225-fc4c-41c3-bd74-bcb68dd46d1b Norway (NO) f98eaf2e-b87a-41ce-97c6-879625fb971b Finland (FI) 79501aa2-5248-44da-a7b0-808e13ef71b9 Netherlands (NL) 512432ce-69af-49af-b82b-7260dc6b76a8 Germany (DE) 6d095fbb-3bba-4f6e-87eb-1a4c92c94602 Denmark (DK) d0a98648-603b-4c77-bb62-99a655c21541 Germany (DE) 08b211a3-b478-4784-a423-35db653a0e71 Croatia (HR) 22741f6d-824f-4ff3-abf8-d0b1c0263f08 Czech Republic (CZ) 468b16fc-4fb5-4a77-b48d-e7939637d3a4 Poland (PL) e5ffbce1-7a2e-4c5a-8693-0fa33da75ed7 Netherlands (NL) 485650d8-2a42-4080-8208-3aaf52652d23 Netherlands (NL) cb02c5ac-ea0b-4278-aea1-b11b43ba863d Estonia (EE) ae988fe3-380c-4310-884d-5b8d120a6e1c Greece (GR) |

e72967d3-5e07-4ddc-9adf-2a92a33d7af1 Portugal (PT)
c119fa8f-cab9-4902-b2f9-ec577586e6fe Bulgaria (BG)

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT1SE3125AFF000XXX |
| EAN | 8015644013295 |
| 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 | 1.175 kg |
| Package Level 1 EAN | 8015644013295 |

Additional Information

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| Circuit Breaker Type to be Associated | Power Distribution |
| Product Main Type | SACE Tmax XT |
| Product Name | Leistungsschalter |
| 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_s) | 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) 80 kA (230 V AC) 80 kA (240 V AC) 80 kA (380 V AC) 50 kA (415 V AC) 37.5 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 17.5 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (220 V AC) 85 kA (230 V AC) 85 kA (240 V AC) 85 kA (380 V AC) 50 kA (415 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 36 kA (525 V AC) 35 kA (690 V AC) 8 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 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 | S |
| 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

