



PRODUCT-DETAILS

XT1S 125 TMF 125-1250 4p F F UL/CSA  
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| General Information   |                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT1S 125 TMF 125-1250 4p F F UL/CSA                                                                                                 |
| Product ID            | 1SDA074693R1                                                                                                                        |
| EAN                   | 8015644786700                                                                                                                       |
| Catalog Description   | XT1S 125 TMF 125-1250 4p F F UL/CSA                                                                                                 |
| Long Description      | C.BREAKER TMAX XT1S 125 UL/CSA FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 125-1250 A FULLY RATED NEUTRAL |

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

| Circular Value                                |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| Conflict Minerals Reporting Template          | 9AKK108467A5658                                               |

(CMRT)

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| End of Life Instructions            | 9AKK108468A2347                                     |
| Group Waste to Landfill Target      | UL 2799 Zero Waste To Landfill Validation available |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326                                     |

Eco Transparency

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

Environmental

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| Environmental Information | 9AKK108467A6707                                                        |
| REACH Declaration         | 9AKK108466A1425                                                        |
| RoHS Information          | 9AKK108466A1424                                                        |
| RoHS Status               | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT1SU4125AFF000XXX |
| EAN                      | 8015644786700      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 101.6 mm |
| Product Net Height         | 130 mm   |
| Product Net Depth / Length | 70 mm    |
| Product Net Weight         | 1.4 kg   |

Container Information

|                                |               |
|--------------------------------|---------------|
| 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   | 1.4 kg        |
| Package Level 1 EAN            | 8015644786700 |

Additional Information

|                                       |                        |
|---------------------------------------|------------------------|
| Circuit Breaker Type to be Associated | Power Distribution     |
| Connecting Capacity Main Circuit      | Busbar 45.5 ... 80 mm² |

|                                                                     |                                               |
|---------------------------------------------------------------------|-----------------------------------------------|
| Current Type                                                        | AC/DC                                         |
| Electrical Durability                                               | 120 cycles per hour<br>8000 cycle             |
| Mechanical Durability                                               | 240 cycles per hour<br>25000 cycle            |
| Number of Poles                                                     | 4                                             |
| Opening Time                                                        | CB with SOR 15 ms<br>CB with UVR 15 ms        |
| Order Multiple                                                      | 1 piece                                       |
| Power Loss                                                          | at Rated Operating Conditions per Pole 10.7 W |
| Product Main Type                                                   | SACE Tmax XT                                  |
| Product Name                                                        | Moulded Case Circuit Breaker                  |
| Product Type                                                        | Automatic Circuit Breaker                     |
| Rated Current (I <sub>n</sub> )                                     | 125 A                                         |
| Rated Voltage (U <sub>r</sub> )                                     | 600Y/347 V                                    |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ) | 500 A                                         |
| Rated Operational Voltage                                           | 600Y/347 V AC<br>500 V DC                     |
| Rated Uninterrupted Current (I <sub>u</sub> )                       | 125 A                                         |
| Recommended Screw Driver                                            | Main Circuit M6                               |
| Release                                                             | TMF                                           |
| Release Type                                                        | TM                                            |
| Setting Range                                                       | 125 A                                         |
| Short-Circuit Performance Level                                     | S                                             |
| Standards                                                           | UL489                                         |
| Sub-type                                                            | XT1                                           |
| Suitable for Product Class                                          | SACE Tmax XT                                  |
| Terminal Connection Type                                            | Front                                         |
| Terminal Type                                                       | Bolt                                          |
| Tightening Torque                                                   | 6 N·m                                         |
| Version                                                             | F                                             |
| CAD Dimensional Drawing                                             | 1SDH001295R0080                               |

Technical UL/CSA

|                                   |                                                                                                                                                  |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 65 kA<br>(480 V AC) 35 kA<br>(600Y / 347 V AC) 22 kA<br>(250 V DC) 2 Poles in Series 42 kA<br>(500 V DC) 4 Poles in Series Kind 50 kA |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| CSA Certificate (Intrinsic Safe)  | 9AKK10103A3905                     |
| Data Sheet, Technical Information | 1SDC210200D0206<br>1SDC210199D0206 |
| Declaration of                    | 9AKK106713A5532                    |

|                          |                         |
|--------------------------|-------------------------|
| Conformity - CE          |                         |
| UL Certificate           | 1SDL000163R0111         |
| VDE Certificate          | No certification needed |
| Dimension Diagram        | 1SDH000719R0100         |
| Mechanical Drawings      | 1SDH000719R0100         |
| Wiring Diagram           | 1SDM000068R0001         |
| Instructions and Manuals | 1SDH000719R0003         |

Classifications

|                                    |                                                                              |
|------------------------------------|------------------------------------------------------------------------------|
| 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

