



PRODUCT-DETAILS

XT1N 125 TMF 50-500 3p F F UL/CSA  
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| General Information   |                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT1N 125 TMF 50-500 3p F F UL/CSA                                                                              |
| Product ID            | 1SDA074641R1                                                                                                   |
| EAN                   | 8015644785086                                                                                                  |
| Catalog Description   | XT1N 125 TMF 50-500 3p F F UL/CSA                                                                              |
| Long Description      | C.BREAKER TMAX XT1N 125 UL/CSA FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 50-500 A |

| 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 | XT1NU3050AFF000XXX |
| EAN                      | 8015644785086      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

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

|                                |               |
|--------------------------------|---------------|
| 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   | 1.189 kg      |
| Package Level 1 EAN            | 8015644785086 |

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                                             | 3                                            |
| 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 3.7 W |
| Product Main Type                                           | SACE Tmax XT                                 |
| Product Name                                                | Moulded Case Circuit Breaker                 |
| Product Type                                                | Automatic Circuit Breaker                    |
| Rated Current ( $I_n$ )                                     | 50 A                                         |
| Rated Voltage ( $U_r$ )                                     | 600Y/347 V                                   |
| Rated Instantaneous Short-Circuit Current Setting ( $I_i$ ) | 500 A                                        |
| Rated Operational Voltage                                   | 600Y/347 V AC<br>500 V DC                    |
| Rated Uninterrupted Current ( $I_u$ )                       | 125 A                                        |
| Recommended Screw Driver                                    | Main Circuit M6                              |
| Release                                                     | TMF                                          |
| Release Type                                                | TM                                           |
| Setting Range                                               | 50 A                                         |
| Short-Circuit Performance Level                             | N                                            |
| 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                                     | 1SDH001295R0008                              |

### Technical UL/CSA

|                                   |                                                                                                                                                  |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 50 kA<br>(480 V AC) 25 kA<br>(600Y / 347 V AC) 18 kA<br>(250 V DC) 2 Poles in Series 35 kA<br>(500 V DC) 4 Poles in Series Kind 35 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         |

|                                    |                                                                              |
|------------------------------------|------------------------------------------------------------------------------|
| <b>Classifications</b>             |                                                                              |
| 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

