



PRODUCT-DETAILS

XT4H 250 TMF 50-500 3p F F UL/CSA

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| General Information   |                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT4H 250 TMF 50-500 3p F F UL/CSA                                                                              |
| Product ID            | 1SDA075227R1                                                                                                   |
| EAN                   | 8015644792046                                                                                                  |
| Catalog Description   | XT4H 250 TMF 50-500 3p F F UL/CSA                                                                              |
| Long Description      | C.BREAKER TMAX XT4H 250 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                  | Design for Closing Resource Loops - Standard EN45555 - 56.30 % |
| Recyclability Rate                          |                                                                |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                                |
| End of Life Instructions                    | 9AKK108468A2351                                                |

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| 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 | 9AKK108468A1892 |
|-----------------------------------------|-----------------|

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 | XT4HU3050AFF000XXX |
| EAN                      | 8015644792046      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 105 mm  |
| Product Net Height         | 160 mm  |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 2.5 kg  |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 145 mm        |
| Package Level 1 Height         | 210 mm        |
| Package Level 1 Depth / Length | 168 mm        |
| Package Level 1 Gross Weight   | 2.5 kg        |
| Package Level 1 EAN            | 8015644792046 |

Additional Information

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution                 |
| Connecting Capacity Main Circuit      | Busbar 85..200 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                  |

|                                                                     |                                              |
|---------------------------------------------------------------------|----------------------------------------------|
|                                                                     | CB with UVR 15 ms                            |
| Order Multiple                                                      | 1 piece                                      |
| Power Loss                                                          | at Rated Operating Conditions per Pole 4.7 W |
| Product Main Type                                                   | SACE Tmax XT                                 |
| Product Name                                                        | Moulded Case Circuit Breaker                 |
| Product Type                                                        | Automatic Circuit Breaker                    |
| Rated Current (I <sub>n</sub> )                                     | 50 A                                         |
| Rated Voltage (U <sub>r</sub> )                                     | 600 V                                        |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ) | 500 A                                        |
| Rated Operational Voltage                                           | 600 V AC<br>600 V DC                         |
| Rated Uninterrupted Current (I <sub>u</sub> )                       | 250 A                                        |
| Recommended Screw Driver                                            | Main Circuit M8                              |
| Release                                                             | TMF                                          |
| Release Type                                                        | TM                                           |
| Setting Range                                                       | 50 A                                         |
| Short-Circuit Performance Level                                     | H                                            |
| Standards                                                           | UL489                                        |
| Sub-type                                                            | XT4                                          |
| Suitable for Product Class                                          | SACE Tmax XT                                 |
| Terminal Connection Type                                            | Front                                        |
| Terminal Type                                                       | Bolt                                         |
| Tightening Torque                                                   | 8 N·m                                        |
| Version                                                             | F                                            |
| CAD Dimensional Drawing                                             | 1SDH002230A1003                              |

Technical UL/CSA

|                                   |                                                                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 150 kA<br>(480 V AC) 65 kA<br>(600 V AC) 25 kA<br>(250 V DC) 2 Poles in Series 50 kA<br>(600 V DC) 3 Poles in Series 65 kA |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| CSA Certificate (Intrinsic Safe)  | 9AKK10103A3908                     |
| Data Sheet, Technical Information | 1SDC210200D0206<br>1SDC210199D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5529                    |
| UL Certificate                    | 1SDL000163R0114                    |
| VDE Certificate                   | No certification needed            |
| Dimension Diagram                 | 1SDH000722R0100                    |
| Mechanical Drawings               | 1SDH000722R0100                    |
| Wiring Diagram                    | 1SDM000068R0001                    |
| Instructions and Manuals          | 1SDH000722R0003<br>1SDH000721R0505 |

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

