



PRODUCT-DETAILS

XT3S 225 TMF 175-1750 4p F F UL/CSA

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| General Information   |                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT3S 225 TMF 175-1750 4p F F UL/CSA                                                                                                 |
| Product ID            | 1SDA075146R1                                                                                                                        |
| EAN                   | 8015644791230                                                                                                                       |
| Catalog Description   | XT3S 225 TMF 175-1750 4p F F UL/CSA                                                                                                 |
| Long Description      | C.BREAKER TMAX XT3S 225 UL/CSA FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 175-1750 A FULLY RATED NEUTRAL |

| ABB EcoSolutions                                  |                                                               |
|---------------------------------------------------|---------------------------------------------------------------|
| ABB EcoSolutions                                  | Yes                                                           |
| ABB Site Meeting Group                            | UL 2799 Zero Waste To Landfill Validation available           |
| Waste To Landfill Target                          |                                                               |
| End Of Life Disassembling Instructions            | 9AKK108468A2350                                               |
| Environmental Product Declaration - EPD           | 9AKK108468A2294                                               |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 56.6 % |

## Material Compliance

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

## Environmental

|                           |                 |
|---------------------------|-----------------|
| Environmental Information | 9AKK108467A6707 |
|---------------------------|-----------------|

## Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT3SU4175AFF000XXX |
| EAN                      | 8015644791230      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

## Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 140 mm |
| Product Net Height         | 150 mm |
| Product Net Depth / Length | 70 mm  |
| Product Net Weight         | 2.1 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 155 mm        |
| Package Level 1 Height         | 190 mm        |
| Package Level 1 Depth / Length | 155 mm        |
| Package Level 1 Gross Weight   | 2.1 kg        |
| Package Level 1 EAN            | 8015644791230 |

## Additional Information

|                                       |                              |
|---------------------------------------|------------------------------|
| 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    |
| Suitable for Product Class            | SACE Tmax XT                 |
| Version                               | F                            |
| CAD Dimensional Drawing               | 1SDH001295R0483              |

## Technical

|                          |                    |
|--------------------------|--------------------|
| Connecting Capacity Main | Busbar 85..192 mm² |
|--------------------------|--------------------|

|                                                             |                                               |
|-------------------------------------------------------------|-----------------------------------------------|
| Circuit                                                     |                                               |
| 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                                             | 4P                                            |
| 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 10.1 W |
| Rated Current ( $I_n$ )                                     | 175 A                                         |
| Rated Instantaneous Short-Circuit Current Setting ( $I_s$ ) | 1750 A                                        |
| Rated Operational Voltage                                   | 600Y/347 V AC<br>500 V DC                     |
| Rated Uninterrupted Current ( $I_u$ )                       | 225 A                                         |
| Rated Voltage ( $U_r$ )                                     | 600Y/347 V                                    |
| Recommended Screw Driver                                    | Main Circuit M8                               |
| Release                                                     | TMF                                           |
| Release Type                                                | TM                                            |
| Setting Range                                               | 175 A                                         |
| Short-Circuit Performance Level                             | S                                             |
| Standards                                                   | UL489                                         |
| Sub-type                                                    | XT3                                           |
| Terminal Connection Type                                    | Front                                         |
| Terminal Type                                               | Bolt                                          |
| Tightening Torque                                           | 8 N·m                                         |

## Technical UL/CSA

|                                   |                                                                                                                                             |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 65 kA<br>(480 V AC) 35 kA<br>(600Y / 347 V AC) 10 kA<br>(250 V DC) 2 Poles in Series 35 kA<br>(500 V DC) 3 Poles in Series 35 kA |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

## Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| CSA Certificate (Intrinsic Safe)  | 9AKK10103A3907                     |
| Data Sheet, Technical Information | 1SDC210200D0206<br>1SDC210199D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5530                    |
| UL Certificate                    | 1SDL000163R0113                    |
| VDE Certificate                   | No certification needed            |
| Dimension Diagram                 | 1SDH000720R0100                    |
| Mechanical Drawings               | 1SDH000720R0100                    |
| Wiring Diagram                    | 1SDM000068R0001                    |
| Instructions and Manuals          | 1SDH000720R0003                    |

## External Classifications and Standards

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

