



PRODUCT-DETAILS

XT4S 250 TMA 80 400..800 3p F F UL/CSA

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| General Information   |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT4S 250 TMA 80 400..800 3p F F UL/CSA                                                                                  |
| Product ID            | 1SDA075195R1                                                                                                            |
| EAN                   | 8015644791728                                                                                                           |
| Catalog Description   | XT4S 250 TMA 80 400..800 3p F F UL/CSA                                                                                  |
| Long Description      | C.BREAKER TMAX XT4S 250 UL/CSA FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 80 I3=400...800 A |

| ABB EcoSolutions                        |                 |
|-----------------------------------------|-----------------|
| ABB EcoSolutions                        | Yes             |
| Environmental Product Declaration - EPD | 9AKK108468A1892 |

| 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   | 9AKK108467A5658                                                        |

Reporting Template  
(CMRT)

|                                        |                 |
|----------------------------------------|-----------------|
| Toxic Substances Control<br>Act - TSCA | 9AKK108467A8326 |
|----------------------------------------|-----------------|

Environmental

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

Ordering

|                             |                    |
|-----------------------------|--------------------|
| Order Code US and<br>Canada | XT4SU3080BFF000XXX |
| EAN                         | 8015644791728      |
| Minimum Order Quantity      | 1 piece            |
| Customs Tariff Number       | 85362090           |

Dimensions

|                               |         |
|-------------------------------|---------|
| Product Net Width             | 105 mm  |
| Product Net Height            | 160 mm  |
| Product Net Depth /<br>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 /<br>Length | 168 mm        |
| Package Level 1 Gross<br>Weight   | 2.5 kg        |
| Package Level 1 EAN               | 8015644791728 |

Additional Information

|                                          |                              |
|------------------------------------------|------------------------------|
| Circuit Breaker Type to be<br>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<br>Drawing               | 1SDH002230A1003              |

Technical

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Connecting Capacity Main<br>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                                                     | 3P                                           |
| 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 5.5 W |
| Rated Current (I <sub>N</sub> )                                     | 80 A                                         |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>I</sub> ) | 400...800 A                                  |
| Rated Operational Voltage                                           | 600 V AC<br>600 V DC                         |
| Rated Uninterrupted Current (I <sub>U</sub> )                       | 250 A                                        |
| Rated Voltage (U <sub>r</sub> )                                     | 600 V                                        |
| Recommended Screw Driver                                            | Main Circuit M8                              |
| Release                                                             | TMA                                          |
| Release Type                                                        | TM                                           |
| Setting Range                                                       | 56...80 A                                    |
| Short-Circuit Performance Level                                     | S                                            |
| Standards                                                           | UL489                                        |
| Sub-type                                                            | XT4                                          |
| Terminal Connection Type                                            | Front                                        |
| Terminal Type                                                       | Bolt                                         |
| Tightening Torque                                                   | 8 N·m                                        |

Technical UL/CSA

|                                   |                                                                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 22 kA<br>(250 V DC) 2 Poles in Series 42 kA<br>(600 V DC) 3 Poles in Series 50 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 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                                           |

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## Categories

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Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

