



PRODUCT-DETAILS

XT1S 160 TMD 40-450 3p F F

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General Information

|                       |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT1S 160 TMD 40-450 3p F F                                                                              |
| Product ID            | 1SDA080834R1                                                                                            |
| EAN                   | 8015644873622                                                                                           |
| Catalog Description   | XT1S 160 TMD 40-450 3p F F                                                                              |
| Long Description      | C.BREAKER TMAX XT1S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 40-450 A |

ABB EcoSolutions

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

Circular Value

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| Recyclability Rate                          |                                                               |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                               |
| 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<br>9AKK108468A7793 |
|-----------------------------------------|------------------------------------|

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 | XT1SE3040AFF000XXX |
| EAN                      | 8015644873622      |
| 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 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   | 1.1 kg        |
| Package Level 1 EAN            | 8015644873622 |

Additional Information

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution                     |
| 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                                |

|                                                                     |                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Main Type                                                   | SACE Tmax XT                                                                                                                                                                                                                                                             |
| Product Name                                                        | Moulded Case Circuit Breaker                                                                                                                                                                                                                                             |
| Product Type                                                        | Automatic Circuit Breaker                                                                                                                                                                                                                                                |
| Rated Current (I <sub>n</sub> )                                     | 40 A                                                                                                                                                                                                                                                                     |
| Rated Voltage (U <sub>r</sub> )                                     | 690 V                                                                                                                                                                                                                                                                    |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                 | 8 kV                                                                                                                                                                                                                                                                     |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ) | 450 A                                                                                                                                                                                                                                                                    |
| Rated Insulation Voltage (U <sub>i</sub> )                          | 800 V                                                                                                                                                                                                                                                                    |
| Rated Operational Voltage                                           | 690 V AC<br>500 V DC                                                                                                                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )    | (220 V AC) 63.75 kA<br>(230 V AC) 63.75 kA<br>(240 V AC) 63.75 kA<br>(380 V AC) 50 kA<br>(415 V AC) 37.5 kA<br>(440 V AC) 25 kA<br>(500 V AC) 18 kA<br>(525 V AC) 17.5 kA<br>(690 V AC) 5 kA<br>(250 V DC) 2 Poles in Series 50 kA<br>(500 V DC) 3 Poles in Series 50 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )   | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(240 V AC) 85 kA<br>(380 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 50 kA<br>(500 V AC) 36 kA<br>(525 V AC) 35 kA<br>(690 V AC) 8 kA<br>(250 V DC) 2 Poles in Series 50 kA<br>(500 V DC) 3 Poles in Series 50 kA              |
| Rated Uninterrupted Current (I <sub>u</sub> )                       | 160 A                                                                                                                                                                                                                                                                    |
| Release                                                             | TMD                                                                                                                                                                                                                                                                      |
| Release Type                                                        | TM                                                                                                                                                                                                                                                                       |
| Setting Range                                                       | 28...40 A                                                                                                                                                                                                                                                                |
| Short-Circuit Performance Level                                     | S                                                                                                                                                                                                                                                                        |
| Standards                                                           | IEC60947-2                                                                                                                                                                                                                                                               |
| Sub-type                                                            | XT1                                                                                                                                                                                                                                                                      |
| Terminal Connection Type                                            | Front                                                                                                                                                                                                                                                                    |
| Version                                                             | F                                                                                                                                                                                                                                                                        |
| CAD Dimensional Drawing                                             | 1SDH001295R0008                                                                                                                                                                                                                                                          |

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5532                    |
| Mechanical Drawings               | 1SDH000719R0100                    |
| Wiring Diagram                    | 1SDM000068R0001                    |
| Instructions and Manuals          | 1SDH000719R0001                    |

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 |
| 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

