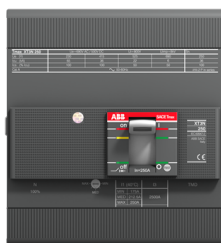




PRODUCT-DETAILS

XT3S 250 TMD 160-1600 4p F F InN=100%

XT3S 250 TMD 160-1600 4p F F InN=100%



| General Information   |  |
|-----------------------|--|
| Extended Product Type | XT3S 250 TMD 160-1600 4p F F InN=100%  |
| Product ID            | 1SDA068230R1   |
| EAN                   | 8015644021368  |
| Catalog Description   | XT3S 250 TMD 160-1600 4p F F InN=100%  |
| Long Description      | C.BREAKER TMAX XT3S 250 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A FULLY RATED NEUTRAL |

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

| Circular Value                                    |   |
|---|---|
| Circular Design Principles<br>Recyclability Rate  | Design for Closing Resource Loops - Standard EN45555 - 56.6 % |
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658   |
| End of Life Instructions                          | 9AKK108468A2350   |

|                                     |   |
|-------------------------------------|---|
| 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 | 9AKK108468A2294<br>9AKK108468A7794 |
|---|------------------------------------|

### 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 | XT3SE4160AFF000XXX |
| E-Number (Sweden)        | 3182425            |
| EAN                      | 8015644021368      |
| 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            | 8015644021368 |

### Additional Information

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution                 |
| Connecting Capacity Main Circuit      | Busbar 85..192 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                       | 4                                  |

|   |   |
|---|---|
| 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 7.9 W  |
| Product Main Type   | SACE Tmax XT  |
| Product Name  | Moulded Case Breaker  |
| Product Type  | Automatic Circuit Breaker   |
| Rated Current ( $I_n$ )                                     | 160 A   |
| Rated Frequency (f)   | 50 / 60 Hz  |
| Rated Voltage ( $U_r$ )                                     | 690 V   |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV  |
| Rated Instantaneous Short-Circuit Current Setting ( $I_s$ ) | 1600 A  |
| Rated Insulation Voltage ( $U_i$ )                          | 800 V   |
| Rated Operational Voltage                                   | 690 V AC<br>500 V DC  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (220 V AC) 50 kA<br>(230 V AC) 50 kA<br>(240 V AC) 50 kA<br>(380 V AC) 27 kA<br>(415 V AC) 36 kA<br>(440 V AC) 20 kA<br>(500 V AC) 15 kA<br>(525 V AC) 10 kA<br>(690 V AC) 3 kA<br>(250 V DC) 2 Poles in Series 27 kA<br>(500 V DC) 3 Poles in Series 37.5 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (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) 40 kA<br>(500 V AC) 30 kA<br>(525 V AC) 20 kA<br>(690 V AC) 6 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 50 kA   |
| Rated Uninterrupted Current ( $I_u$ )                       | 250 A   |
| Recommended Screw Driver                                    | Main Circuit M8   |
| Release   | TMD   |
| Release Type  | TM  |
| Setting Range   | 112...160 A   |
| Short-Circuit Performance Level                             | S   |
| Standards   | IEC60947-2  |
| Sub-type  | XT3   |
| Terminal Connection Type                                    | Front   |
| Terminal Type   | Bolt  |
| Tightening Torque   | 8 N·m   |
| Version   | F   |
| CAD Dimensional Drawing                                     | 1SDH001295R0483   |

### Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5530                    |

|                          |                         |
|--------------------------|-------------------------|
| UL Certificate           | No certification needed |
| VDE Certificate          | No certification needed |
| Dimension Diagram        | 1SDH000720R0100         |
| Mechanical Drawings      | 1SDH000720R0100         |
| Wiring Diagram           | 1SDM000068R0001         |
| Instructions and Manuals | 1SDH000720R0001         |

## 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 |
| Object Classification Code | Q  |
| UNSPSC                     | 39120000   |
| 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

