



PRODUCT-DETAILS

T5V 400 TMA 320-3200 3p F F

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| General Information   |                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | T5V 400 TMA 320-3200 3p F F                                                                                        |
| Product ID            | 1SDA054452R1                                                                                                       |
| EAN                   | 8015644555566                                                                                                      |
| Catalog Description   | T5V 400 TMA 320-3200 3p F F                                                                                        |
| Long Description      | C.BREAKER TMAX T5V 400 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 320 I3=1600...3200 A |

| ABB EcoSolutions                        |                       |
|-----------------------------------------|-----------------------|
| Environmental Product Declaration - EPD | No declaration needed |

| 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<br>Reporting Template<br>(CMRT) | 9AKK108467A5658 |
| Toxic Substances<br>Control Act - TSCA            | 9AKK108467A8326 |

## Environmental

|                              |                                   |
|------------------------------|-----------------------------------|
| Environmental<br>Information | 9AKK10103A1056<br>9AKK108467A6707 |
|------------------------------|-----------------------------------|

## Ordering

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 3655303       |
| EAN                    | 8015644555566 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

## Dimensions

|                               |          |
|-------------------------------|----------|
| Product Net Width             | 140 mm   |
| Product Net Height            | 205 mm   |
| Product Net Depth /<br>Length | 103.5 mm |
| Product Net Weight            | 4.8 kg   |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | 1 piece       |
| Package Level 1 Width             | 248 mm        |
| Package Level 1 Height            | 240 mm        |
| Package Level 1 Depth /<br>Length | 285 mm        |
| Package Level 1 Gross<br>Weight   | 4.8 kg        |
| Package Level 1 EAN               | 8015644555566 |

## Additional Information

|                               |                               |
|-------------------------------|-------------------------------|
| Product Main Type             | SACE Tmax T                   |
| Product Name                  | Moulded Case Circuit Breaker  |
| Product Type                  | Automatic Circuit Breaker     |
| Suitable For                  | T5                            |
| Suitable for Product<br>Class | Moulded Case Circuit Breakers |
| Version                       | F                             |

## Technical

|                       |                                    |
|-----------------------|------------------------------------|
| Electrical Durability | 7000 cycle<br>60 cycles per hour   |
| Mechanical Durability | 20000 cycle<br>120 cycles per hour |

|                                                                    |                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Poles                                                    | 3P                                                                                                                                                                                                                                                                                      |
| Power Loss                                                         | at Rated Operating Conditions per Pole 13.6 W                                                                                                                                                                                                                                           |
| Rated Current ( $I_n$ )                                            | 320 A                                                                                                                                                                                                                                                                                   |
| Rated Impulse<br>Withstand Voltage ( $U_{imp}$ )                   | 8 kV                                                                                                                                                                                                                                                                                    |
| Rated Insulation Voltage<br>( $U_i$ )                              | 1000 V                                                                                                                                                                                                                                                                                  |
| Rated Operational<br>Voltage                                       | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    |
| Rated Service Short-<br>Circuit Breaking<br>Capacity ( $I_{cs}$ )  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA                                                                                                                     |
| Rated Short-time<br>Withstand Current Low<br>Voltage ( $I_{cw}$ )  | for 1 s 5 kA                                                                                                                                                                                                                                                                            |
| Rated Ultimate Short-<br>Circuit Breaking<br>Capacity ( $I_{cu}$ ) | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA |
| Rated Uninterrupted<br>Current ( $I_u$ )                           | 400 A                                                                                                                                                                                                                                                                                   |
| Release                                                            | TMA                                                                                                                                                                                                                                                                                     |
| Release Type                                                       | TM                                                                                                                                                                                                                                                                                      |
| Short-Circuit<br>Performance Level                                 | V                                                                                                                                                                                                                                                                                       |
| Standards                                                          | IEC                                                                                                                                                                                                                                                                                     |
| Sub-type                                                           | T5                                                                                                                                                                                                                                                                                      |
| Terminal Connection<br>Type                                        | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                         |
| Test Voltage Max ( $U_{test}$ )                                    | 3500 V                                                                                                                                                                                                                                                                                  |
| Test Voltage at Industrial<br>Frequency for 1 Minute               | 3500 V                                                                                                                                                                                                                                                                                  |

## Certificates and Declarations

|                                      |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 1SDC210004D0203 |
| Declaration of<br>Conformity - CE    | 9AKK106713A5539 |
| Instructions and<br>Manuals          | 1SDH000437R0001 |
| Instructions and<br>Manuals (Part 2) | ITSCE-RH0100001 |

## External Classifications and Standards

|        |                                                                                 |
|--------|---------------------------------------------------------------------------------|
| ETIM 8 | EC000228 - Power circuit-breaker for trafo/generator/installation<br>protection |
|--------|---------------------------------------------------------------------------------|

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| ETIM 9                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification Code | Q                                                                            |
| UNSPSC                     | 39121100                                                                     |
| 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 T

