



PRODUCT-DETAILS

T6L 800 TMA 800-8000 3p F F

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General Information

|                       |                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | T6L 800 TMA 800-8000 3p F F                                                                                        |
| Product ID            | 1SDA060220R1                                                                                                       |
| EAN                   | 8015644626808                                                                                                      |
| Catalog Description   | T6L 800 TMA 800-8000 3p F F                                                                                        |
| Long Description      | C.BREAKER TMAX T6L 800 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 800 I3=4000...8000 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 Reporting Template | 9AKK108467A5658                                                        |

(CMRT)

|                                     |                 |
|-------------------------------------|-----------------|
| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |
|-------------------------------------|-----------------|

Environmental

|                           |                                   |
|---------------------------|-----------------------------------|
| Environmental Information | 9AKK10103A1058<br>9AKK108467A6707 |
|---------------------------|-----------------------------------|

Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 8015644626808 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 210 mm   |
| Product Net Height         | 268 mm   |
| Product Net Depth / Length | 103.5 mm |
| Product Net Weight         | 9.5 kg   |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 305 mm        |
| Package Level 1 Height         | 285 mm        |
| Package Level 1 Depth / Length | 370 mm        |
| Package Level 1 Gross Weight   | 11 kg         |
| Package Level 1 EAN            | 8015644626808 |

Additional Information

|                            |                               |
|----------------------------|-------------------------------|
| Product Main Type          | SACE Tmax T                   |
| Product Name               | Moulded Case Circuit Breaker  |
| Product Type               | Automatic Circuit Breaker     |
| Suitable For               | T6                            |
| Suitable for Product Class | Moulded Case Circuit Breakers |
| Version                    | F                             |

Technical

|                                                     |                                             |
|-----------------------------------------------------|---------------------------------------------|
| Electrical Durability                               | 5000 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 31 W |
| Rated Current (I <sub>n</sub> )                     | 800 A                                       |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 8 kV                                        |
| Rated Insulation Voltage (U <sub>i</sub> )          | 1000 V                                      |

|                                                                   |                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Operational Voltage                                         | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                 |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (220 V AC) 150 kA<br>(230 V AC) 150 kA<br>(380 V AC) 75 kA<br>(400 V AC) 75 kA<br>(415 V AC) 75 kA<br>(440 V AC) 60 kA<br>(500 V AC) 49 kA<br>(690 V AC) 22.5 kA                                                                                                                     |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | for 1 s 10 kA                                                                                                                                                                                                                                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 100 kA<br>(400 V AC) 100 kA<br>(415 V AC) 100 kA<br>(440 V AC) 80 kA<br>(500 V AC) 65 kA<br>(690 V AC) 30 kA<br>(250 V DC) 2 Poles in Series 100 kA<br>(500 V DC) 2 Poles in Series 65 kA<br>(750 V DC) 3 Poles in Series 50 kA |
| Rated Uninterrupted Current (I <sub>u</sub> )                     | 800 A                                                                                                                                                                                                                                                                                |
| Release                                                           | TMA                                                                                                                                                                                                                                                                                  |
| Release Type                                                      | TM                                                                                                                                                                                                                                                                                   |
| Short-Circuit Performance Level                                   | L                                                                                                                                                                                                                                                                                    |
| Standards                                                         | IEC                                                                                                                                                                                                                                                                                  |
| Sub-type                                                          | T6                                                                                                                                                                                                                                                                                   |
| Terminal Connection Type                                          | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                      |
| Test Voltage Max (U <sub>test</sub> )                             | 3500 V                                                                                                                                                                                                                                                                               |

Certificates and Declarations

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SDC210015D0201 |
| Declaration of Conformity - CE    | 9AKK106713A5538 |
| Instructions and Manuals          | 1SDH000511R0001 |

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 |
| Object Classification Code | Q                                                                            |
| UNSPSC                     | 39121100                                                                     |
| 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 T

