



PRODUCT-DETAILS

T6L 800 TMA 800-8000 4p F F InN=100%In  
T6L 800 TMA 800-8000 4p F F InN=100%In



| General Information   |                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | T6L 800 TMA 800-8000 4p F F InN=100%In                                                                                        |
| Product ID            | 1SDA060225R1                                                                                                                  |
| EAN                   | 8015644626853                                                                                                                 |
| Catalog Description   | T6L 800 TMA 800-8000 4p F F InN=100%In                                                                                        |
| Long Description      | C.BREAKER TMAX T6L 800 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 800 I3=4000...8000 A FULLY RATED |

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

## Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 8015644626853 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

## Dimensions

|                               |          |
|-------------------------------|----------|
| Product Net Width             | 280 mm   |
| Product Net Height            | 268 mm   |
| Product Net Depth /<br>Length | 103.5 mm |
| Product Net Weight            | 12 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 /<br>Length | 370 mm        |
| Package Level 1 Gross<br>Weight   | 14 kg         |
| Package Level 1 EAN               | 8015644626853 |

## 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<br>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       | 4P                                 |

|                                                             |                                                                                                                                                                                                                                                                                      |  |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Power Loss                                                  | at Rated Operating Conditions per Pole 31 W                                                                                                                                                                                                                                          |  |
| Rated Current ( $I_n$ )                                     | 800 A                                                                                                                                                                                                                                                                                |  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV                                                                                                                                                                                                                                                                                 |  |
| Rated Insulation Voltage ( $U_i$ )                          | 1000 V                                                                                                                                                                                                                                                                               |  |
| Rated Operational Voltage                                   | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                 |  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (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 ( $I_{cw}$ ) | for 1 s 10 kA                                                                                                                                                                                                                                                                        |  |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (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 ( $I_u$ )                       | 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 ( $U_{test}$ )                             | 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

