

# T6S 800 TMA 800-8000 3p F F



Products Low Voltage Products and Systems Circuit Breakers Moulded Case Circuit Breakers Tmax T

## General Information

|                        |                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Extended Product Type: | T6S 800 TMA 800-8000 3p F F                                                                                        |
| Product ID:            | 1SDA060216R1                                                                                                       |
| EAN:                   | 8015644626761                                                                                                      |
| Catalog Description:   | T6S 800 TMA 800-8000 3p F F                                                                                        |
| Long Description:      | C.BREAKER TMAX T6S 800 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 800 I3=4000...8000 A |

## Additional Information

|                                                      |                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------|
| ABB Industrial IT Suite:                             | Protect IT                                                              |
| Country of Origin:                                   | Italy (IT)                                                              |
| Customs Tariff Number:                               | 85362090                                                                |
| Data Sheet, Technical Information:                   | 1SDC210015D0201                                                         |
| Declaration of Conformity - CE:                      | 1SDL000165R0006                                                         |
| EAN:                                                 | 8015644626761                                                           |
| ETIM 4:                                              | EC000228 - Power circuit-breaker for trafo/generator/installation prot. |
| ETIM 5:                                              | EC000228 - Power circuit-breaker for trafo/generator/installation prot. |
| ETIM 6:                                              | EC000228 - Power circuit-breaker for trafo/generator/installation prot. |
| Electrical Durability:                               | 5000 cycle<br>60 cycles per hour                                        |
| Environmental Information:                           | 1SDL000143R0                                                            |
| Industrial IT Certification Level:                   | 0                                                                       |
| Instructions and Manuals:                            | 1SDH000511R0001                                                         |
| Invoice Description:                                 | T6S 800 TMA 800-8000 3p F F                                             |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour                                      |
| Minimum Order Quantity:                              | 1 piece                                                                 |
| Number of Poles:                                     | 3                                                                       |
| Object Classification Code:                          | Q                                                                       |
| Package Level 1 EAN:                                 | 8015644626761                                                           |
| Package Level 1 Gross Weight:                        | 11 kg                                                                   |
| Package Level 1 Height:                              | 285 mm                                                                  |
| Package Level 1 Length:                              | 370 mm                                                                  |
| Package Level 1 Units:                               | 1 piece                                                                 |
| Package Level 1 Width:                               | 305 mm                                                                  |
| Power Loss:                                          | at Rated Operating Conditions per Pole 31 W                             |
| Product Main Type:                                   | SACE Tmax T                                                             |
| Product Name:                                        | Moulded Case Circuit Breaker                                            |
| Product Net Depth:                                   | 103.5 mm                                                                |
| Product Net Height:                                  | 268 mm                                                                  |
| Product Net Weight:                                  | 9.5 kg                                                                  |
| Product Net Width:                                   | 210 mm                                                                  |
| Product Type:                                        | CB                                                                      |
| Rated Current (I <sub>n</sub> ):                     | Main Circuit 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                                                                |

|                                                              |                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Operational Voltage:                                   | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                             |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ):  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA                                                                                                                     |
| Rated Short-time Withstand Current ( $I_{cw}$ ):             | for 1 s 10 A                                                                                                                                                                                                                                                                     |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ): | (220 V AC) 8.5 kA<br>(230 V AC) 8.5 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 45 kA<br>(500 V AC) 35 kA<br>(690 V AC) 22 kA<br>(250 V DC) 2 Poles in Series 50 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(750 V DC) 3 Poles in Series 20 kA |
| Rated Uninterrupted Current ( $I_u$ ):                       | 800 A                                                                                                                                                                                                                                                                            |
| Release:                                                     | TMA                                                                                                                                                                                                                                                                              |
| Release Type:                                                | TM                                                                                                                                                                                                                                                                               |
| Selling Unit of Measure:                                     | piece                                                                                                                                                                                                                                                                            |
| Short Description:                                           | T6S 800 TMA 800-8000 3p F F                                                                                                                                                                                                                                                      |
| Short-Circuit Performance Level:                             | S                                                                                                                                                                                                                                                                                |
| Size:                                                        | T6S                                                                                                                                                                                                                                                                              |
| Standards:                                                   | IEC 60947                                                                                                                                                                                                                                                                        |
| Sub-type:                                                    | T6                                                                                                                                                                                                                                                                               |
| Suitable For:                                                | T6                                                                                                                                                                                                                                                                               |
| Suitable for Product Class:                                  | Moulded Case Circuit Breakers                                                                                                                                                                                                                                                    |
| Terminal Connection Type:                                    | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                  |
| Test Voltage Max ( $U_{test}$ ):                             | 3500 V                                                                                                                                                                                                                                                                           |
| UNSPSC:                                                      | 39121100                                                                                                                                                                                                                                                                         |
| Version:                                                     | F                                                                                                                                                                                                                                                                                |

