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 PRODUCT-DETAILS

# A1B 125 TMF 50-500 3p F F

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**General Information**

|                       |   |
|-----------------------|---|
| Extended Product Type | A1B 125 TMF 50-500 3p F F   |
| Product ID            | 1SDA066702R1  |
| EAN                   | 8015644693985   |
| Catalog Description   | A1B 125 TMF 50-500 3p F F   |
| Long Description      | C.BREAKER FORMULA A1B 125 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 50-500 A |

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**Circular Value**

|   |                 |
|---|-----------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Toxic Substances Control Act - TSCA         | 9AKK108467A8326 |

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**Environmental**

|               |                 |
|---------------|-----------------|
| Environmental | 1SDL000183R0001 |
|---------------|-----------------|

|                   |  |
|-------------------|--|
| 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 | AAB050TW      |
| EAN                      | 8015644693985 |
| Minimum Order Quantity   | 1 piece       |
| Customs Tariff Number    | 85362090      |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 76.2 mm  |
| Product Net Height         | 130 mm   |
| Product Net Depth / Length | 60 mm    |
| Product Net Weight         | 0.787 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 136.5 mm      |
| Package Level 1 Height         | 124 mm        |
| Package Level 1 Depth / Length | 110.5 mm      |
| Package Level 1 Gross Weight   | 0.8 kg        |
| Package Level 1 EAN            | 8015644693985 |

## Additional Information

|  |   |
|--|---|
| Electrical Durability                                      | 1500 cycle  |
| Mechanical Durability                                      | Nr. Operations 8500 cycle   |
| Number of Poles  | 3   |
| Opening Time   | CB with SOR 15 ms<br>CB with UVR 15 ms                                      |
| Power Loss   | at Rated Operating Conditions per Pole 5.5 W                                |
| Product Main Type  | SACE FORMULA  |
| Product Name   | Moulded Case Circuit Breaker  |
| Product Type   | Automatic Circuit Breaker   |
| Rated Current ( $I_n$ )                                    | Main Circuit 50 A   |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )              | 6 kV  |
| Rated Insulation Voltage ( $U_i$ )                         | 690 V   |
| Rated Operational Voltage                                  | 550 V AC<br>250 V DC  |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ) | (240 V AC) 12.5 kA<br>(380 V AC) 9 kA<br>(415 V AC) 5 kA<br>(440 V AC) 5 kA |

|   |  |
|---|--|
|   | (480 V AC) 5 kA<br>(500 V AC) 2.5 kA<br>(250 V DC) 2 Poles in Series 2.5 kA  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (240 V AC) 25 kA<br>(380 V AC) 18 kA<br>(415 V AC) 18 kA<br>(440 V AC) 15 kA<br>(480 V AC) 10 kA<br>(500 V AC) 5 kA<br>(250 V DC) 5 kA |
| Rated Uninterrupted Current (I <sub>u</sub> )                     | 125 A  |
| Release   | TMF  |
| Release Type  | TM   |
| Short-Circuit Performance Level                                   | B  |
| Standards   | IEC  |
| Sub-type  | A1   |
| Terminal Connection Type  | Front  |
| Version   | F  |

### Certificates and Declarations

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SDC210032D0204 |
| Declaration of Conformity - CE    | 9AKK106713A5519 |
| Wiring Diagram                    | 1SDM000067R0001 |
| Instructions and Manuals          | 1SDH000717R0001 |

### 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  |
| 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 → Formula DSA

