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 PRODUCT-DETAILS

# A1B 125 TMF 100-1000 3p F F

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**General Information**

|                       |                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Extended Product Type | A1B 125 TMF 100-1000 3p F F                                                                                 |
| Product ID            | 1SDA066707R1                                                                                                |
| EAN                   | 8015644006174                                                                                               |
| Catalog Description   | A1B 125 TMF 100-1000 3p F F                                                                                 |
| Long Description      | C.BREAKER FORMULA A1B 125 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 100-1000 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 Information | 1SDL000183R0001<br>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 | AAB100TW      |
| EAN                      | 8015644006174 |
| 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         | 0.793 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            | 8015644006174 |

## 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 8 W                                                                                                                 |
| Product Main Type                                           | SACE FORMULA                                                                                                                                               |
| Product Name                                                | Moulded Case Circuit Breaker                                                                                                                               |
| Product Type                                                | Automatic Circuit Breaker                                                                                                                                  |
| Rated Current ( $I_n$ )                                     | Main Circuit 100 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<br>(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 ( $I_{cu}$ ) | (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                                                           |

|                                               |                                    |
|-----------------------------------------------|------------------------------------|
|                                               | (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

