

## PRODUCT-DETAILS

# A1C 125 TMF 100-1000 4p F F

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### General Information

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Extended Product Type | A1C 125 TMF 100-1000 4p F F                                                                                |
| Product ID            | 1SDA066755R1                                                                                               |
| EAN                   | 8015644006655                                                                                              |
| Catalog Description   | A1C 125 TMF 100-1000 4p F F                                                                                |
| Long Description      | C.BREAKER FORMULA A1C 125 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 100-1000 A |

### Ordering

|                          |               |
|--------------------------|---------------|
| EAN                      | 8015644006655 |
| Minimum Order Quantity   | 1 piece       |
| Customs Tariff Number    | 85362090      |
| Order Code US and Canada | AAC100TW-4    |

### Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 101.6 mm |
| Product Net Height         | 130 mm   |
| Product Net Depth / Length | 60 mm    |
| Product Net Weight         | 1 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   | 1.05 kg       |
| Package Level 1 EAN            | 8015644006655 |

## Environmental

|             |                                                                        |
|-------------|------------------------------------------------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
|-------------|------------------------------------------------------------------------|

## Additional Information

|                                                             |                                                                                                                                                              |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability                                       | 1500 cycle                                                                                                                                                   |
| Mechanical Durability                                       | Nr. Operations 8500 cycle                                                                                                                                    |
| Number of Poles                                             | 4                                                                                                                                                            |
| 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                                                | CB                                                                                                                                                           |
| 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) 15 kA<br>(380 V AC) 12.5 kA<br>(415 V AC) 6.25 kA<br>(440 V AC) 5 kA<br>(480 V AC) 4 kA<br>(500 V AC) 2.5 kA<br>(250 V DC) 2 Poles in Series 5 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (240 V AC) 30 kA<br>(380 V AC) 25 kA<br>(415 V AC) 25 kA<br>(440 V AC) 20 kA<br>(480 V AC) 15 kA<br>(500 V AC) 8 kA<br>(250 V DC) 10 kA                      |
| Rated Uninterrupted Current ( $I_u$ )                       | 125 A                                                                                                                                                        |
| Release                                                     | TMF                                                                                                                                                          |
| Release Type                                                | TM                                                                                                                                                           |
| Short-Circuit Performance Level                             | C                                                                                                                                                            |
| Standards                                                   | IEC                                                                                                                                                          |
| Sub-type                                                    | A1                                                                                                                                                           |
| Terminal Connection Type                                    | Front                                                                                                                                                        |
| Version                                                     | F                                                                                                                                                            |

## Certificates and Declarations (Document Number)

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SDC210032D0204 |
| Declaration of Conformity - CE    | 9AKK106713A5519 |
| Environmental Information         | 1SDL000183R0001 |
| Instructions and Manuals          | 1SDH000717R0001 |
| REACH Declaration                 | 9AKK108466A1425 |
| RoHS Information                  | 9AKK108466A1424 |

## Classifications

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| 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.      |
| ETIM 7                     | 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)                   |

## Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Formula DSA

