



PRODUCT-DETAILS

A1N 125 TMF 50-500 3p F F

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| General Information    |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| Extended Product Type: | A1N 125 TMF 50-500 3p F F                                                                                 |
| Product ID:            | 1SDA066726R1                                                                                              |
| EAN:                   | 8015644006365                                                                                             |
| Catalog Description:   | A1N 125 TMF 50-500 3p F F                                                                                 |
| Long Description:      | C.BREAKER FORMULA A1N 125 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 50-500 A |
| Display Name:          | A1N 125 TMF 50-500 3p F F                                                                                 |

| Material Compliance                          |                                                                        |
|----------------------------------------------|------------------------------------------------------------------------|
| REACH Declaration:                           | 9AKK108466A1425                                                        |
| RoHS Declaration:                            | 9AKK108466A1424                                                        |
| RoHS Information:                            | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Conflict Minerals Reporting Template (CMRT): | 9AKK108467A5658                                                        |
| Toxic Substances Control Act - TSCA:         | 9AKK108467A8326                                                        |

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**Environmental**

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|-----------------------------------|------------------------------------|
| <b>Environmental Information:</b> | 1SDL000183R0001<br>9AKK108467A6707 |
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**Ordering**

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|----------------------------------|---------------|
| <b>Order Code US and Canada:</b> | AAN050TW      |
| <b>EAN:</b>                      | 8015644006365 |
| <b>Minimum Order Quantity:</b>   | 1 piece       |
| <b>Customs Tariff Number:</b>    | 85362090      |

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**Dimensions**

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|------------------------------------|----------|
| <b>Product Net Width:</b>          | 76.2 mm  |
| <b>Product Net Height:</b>         | 130 mm   |
| <b>Product Net Depth / Length:</b> | 60 mm    |
| <b>Product Net Weight:</b>         | 0.793 kg |

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**Container Information**

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|----------------------------------------|---------------|
| <b>Package Level 1 Units:</b>          | 1 piece       |
| <b>Package Level 1 Width:</b>          | 136.5 mm      |
| <b>Package Level 1 Height:</b>         | 124 mm        |
| <b>Package Level 1 Depth / Length:</b> | 110.5 mm      |
| <b>Package Level 1 Gross Weight:</b>   | 0.8 kg        |
| <b>Package Level 1 EAN:</b>            | 8015644006365 |

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**Additional Information**

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|---------------------------|------------------------------|
| <b>Product Main Type:</b> | SACE FORMULA                 |
| <b>Product Name:</b>      | Moulded Case Circuit Breaker |
| <b>Product Type:</b>      | Automatic Circuit Breaker    |
| <b>Version:</b>           | F                            |

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**Technical**

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|-------------------------------|---------------------------|
| <b>Electrical Durability:</b> | 1500 cycle                |
| <b>Mechanical Durability:</b> | Nr. Operations 8500 cycle |
| <b>Number of Poles:</b>       | 3P                        |

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|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Opening Time:</b>                                                         | CB with SOR 15 ms<br>CB with UVR 15 ms                                                                                                                         |
| <b>Power Loss:</b>                                                           | at Rated Operating Conditions per Pole 5.5 W                                                                                                                   |
| <b>Rated Current (<math>I_n</math>):</b>                                     | Main Circuit 50 A                                                                                                                                              |
| <b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>               | 6 kV                                                                                                                                                           |
| <b>Rated Insulation Voltage (<math>U_i</math>):</b>                          | 690 V                                                                                                                                                          |
| <b>Rated Operational Voltage:</b>                                            | 550 V AC<br>250 V DC                                                                                                                                           |
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (240 V AC) 50 kA<br>(380 V AC) 18 kA<br>(415 V AC) 7.5 kA<br>(440 V AC) 6.25 kA<br>(480 V AC) 4.5 kA<br>(500 V AC) 2.5 kA<br>(250 V DC) 2 Poles in Series 5 kA |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (240 V AC) 100 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 25 kA<br>(480 V AC) 18 kA<br>(500 V AC) 10 kA<br>(250 V DC) 10 kA                      |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 125 A                                                                                                                                                          |
| <b>Release:</b>                                                              | TMF                                                                                                                                                            |
| <b>Release Type:</b>                                                         | TM                                                                                                                                                             |
| <b>Short-Circuit Performance Level:</b>                                      | N                                                                                                                                                              |
| <b>Standards:</b>                                                            | IEC                                                                                                                                                            |
| <b>Sub-type:</b>                                                             | A1                                                                                                                                                             |
| <b>Terminal Connection Type:</b>                                             | Front                                                                                                                                                          |

## Certificates and Declarations

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

## External Classifications and Standards

|                                    |                                                                              |
|------------------------------------|------------------------------------------------------------------------------|
| <b>ETIM 9:</b>                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| <b>ETIM 10:</b>                    | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| <b>Object Classification Code:</b> | Q                                                                            |
| <b>WEEE Category:</b>              | 5. Small Equipment (No External Dimension More Than 50 cm)                   |
| <b>eClass:</b>                     | V11.1 : 27370409                                                             |

## Categories

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



Submitted by TECO Group