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PRODUCT-DETAILS

XT4N 160 TMA 160-1600 4p F F InN=100%

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### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | XT4N 160 TMA 160-1600 4p F F InN=100%   |
| Product ID            | 1SDA068108R1  |
| EAN                   | 8015644695910   |
| Catalog Description   | XT4N 160 TMA 160-1600 4p F F InN=100%   |
| Long Description      | C.BREAKER TMAX XT4N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 160 I3=800...1600 A FULLY RATED NEUTRAL |

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### Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 8015644695910 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

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### Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 140 mm  |
| Product Net Height         | 160 mm  |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 3.05 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 145 mm        |
| Package Level 1 Height         | 210 mm        |
| Package Level 1 Depth / Length | 168 mm        |
| Package Level 1 Gross Weight   | 3.5 kg        |
| Package Level 1 EAN            | 8015644695910 |

## Environmental

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

## Additional Information

|   |  |
|---|--|
| Circuit Breaker Type to be Associated                       | Power Distribution   |
| Current Type  | AC/DC  |
| Electrical Durability                                       | 120 cycles per hour<br>8000 cycle  |
| Mechanical Durability                                       | Nr. Operations 240 cycles per hour<br>Nr. Operations 25000 cycle   |
| Number of Poles   | 4  |
| Opening Time  | CB with SOR 15 ms<br>CB with UVR 15 ms   |
| Order Multiple  | 1 piece  |
| Power Loss  | at Rated Operating Conditions per Pole 8.88 W  |
| Product Main Type   | SACE Tmax XT   |
| Product Name  | Moulded Case Circuit Breaker   |
| Product Type  | CB   |
| Rated Current ( $I_n$ )                                     | 160 A  |
| Rated Frequency (f)   | 50 / 60 Hz   |
| Rated Voltage ( $U_r$ )                                     | 690 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV   |
| Rated Instantaneous Short-Circuit Current Setting ( $I_s$ ) | 800...1600 A   |
| Rated Insulation Voltage ( $U_i$ )                          | 1000 V   |
| Rated Operational Voltage                                   | 690 V AC<br>500 V DC   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (220 V AC) 65 kA<br>(230 V AC) 65 kA<br>(240 V AC) 65 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 36 kA<br>(500 V AC) 30 kA<br>(525 V AC) 20 kA<br>(690 V AC) 10 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 3 Poles in Series 36 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V AC) 65 kA<br>(230 V AC) 65 kA<br>(240 V AC) 65 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 36 kA   |

(500 V AC) 30 kA  
 (525 V AC) 20 kA  
 (690 V AC) 10 kA  
 (250 V DC) 2 Poles in Series 36 kA  
 (500 V DC) 2 Poles in Series 36 kA  
 (500 V DC) 3 Poles in Series 36 kA

|   |                        |
|---|------------------------|
| Rated Uninterrupted Current (I <sub>u</sub> ) | 160 A                  |
| Release                                       | TMA                    |
| Release Type                                  | TM                     |
| Setting Range                                 | 112...160 A            |
| Short-Circuit Performance Level               | N                      |
| Standards                                     | IEC                    |
| Sub-type                                      | XT4                    |
| Terminal Connection Type                      | Fixed Circuit-Breakers |
| Version                                       | F                      |

### Certificates and Declarations (Document Number)

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5529                    |
| Environmental Information         | 9AKK107991A8215                    |
| GL Certificate                    | 1SDL000163R0095                    |
| Instructions and Manuals          | 1SDH000722R0001                    |
| LR Certificate                    | 1SDL000163R0100                    |
| 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  |
| UNSPSC                     | 39120000   |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)                   |

### Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

