



PRODUCT-DETAILS

XT4N 160 TMA 125-1250 4p F F InN=50%

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| General Information   |                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT4N 160 TMA 125-1250 4p F F InN=50%                                                                                                   |
| Product ID            | 1SDA068102R1                                                                                                                           |
| EAN                   | 8015644695880                                                                                                                          |
| Catalog Description   | XT4N 160 TMA 125-1250 4p F F InN=50%                                                                                                   |
| Long Description      | C.BREAKER TMAX XT4N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 125 I3=625...1250 A NEUTRAL = 50% PHASES |

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

| Environmental             |                 |
|---------------------------|-----------------|
| Environmental 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 | XT4NEN125BFF000XXX |
| EAN                      | 8015644695880      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 140 mm  |
| Product Net Height         | 160 mm  |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 3.5 kg  |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 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            | 8015644695880 |

Additional Information

|                                                                     |                                               |
|---------------------------------------------------------------------|-----------------------------------------------|
| Circuit Breaker Type to be Associated                               | Power Distribution                            |
| Connecting Capacity Main Circuit                                    | Busbar 85..200 mm²                            |
| Current Type                                                        | AC/DC                                         |
| Electrical Durability                                               | 120 cycles per hour<br>8000 cycle             |
| Mechanical Durability                                               | 240 cycles per hour<br>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 7.44 W |
| Product Main Type                                                   | SACE Tmax XT                                  |
| Product Name                                                        | Moulded Case Circuit Breaker                  |
| Product Type                                                        | Automatic Circuit Breaker                     |
| Rated Current (I <sub>n</sub> )                                     | 125 A                                         |
| Rated Frequency (f)                                                 | 50 / 60 Hz                                    |
| Rated Voltage (U <sub>r</sub> )                                     | 690 V                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                 | 8 kV                                          |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>s</sub> ) | 625...1250 A                                  |
| Rated Insulation Voltage (U <sub>i</sub> )                          | 1000 V                                        |
| Rated Operational Voltage                                           | 690 V AC                                      |

|                                                                   |                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                   | 750 V DC                                                                                                                                                                                                                                                                                           |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (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 <sub>cu</sub> ) | (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 Uninterrupted Current (I <sub>u</sub> )                     | 160 A                                                                                                                                                                                                                                                                                              |
| Recommended Screw Driver                                          | Main Circuit M8                                                                                                                                                                                                                                                                                    |
| Release                                                           | TMA                                                                                                                                                                                                                                                                                                |
| Release Type                                                      | TM                                                                                                                                                                                                                                                                                                 |
| Setting Range                                                     | 87.5...125 A                                                                                                                                                                                                                                                                                       |
| Short-Circuit Performance Level                                   | N                                                                                                                                                                                                                                                                                                  |
| Standards                                                         | IEC60947-2                                                                                                                                                                                                                                                                                         |
| Sub-type                                                          | XT4                                                                                                                                                                                                                                                                                                |
| Terminal Connection Type                                          | Front                                                                                                                                                                                                                                                                                              |
| Terminal Type                                                     | Bolt                                                                                                                                                                                                                                                                                               |
| Tightening Torque                                                 | 8 N·m                                                                                                                                                                                                                                                                                              |
| Version                                                           | F                                                                                                                                                                                                                                                                                                  |
| CAD Dimensional Drawing                                           | 1SDH001295R0677                                                                                                                                                                                                                                                                                    |

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5529                    |
| GL Certificate                    | 1SDL000163R0095                    |
| LR Certificate                    | 1SDL000163R0100                    |
| UL Certificate                    | No certification needed            |
| VDE Certificate                   | No certification needed            |
| Dimension Diagram                 | 1SDH000722R0100                    |
| Mechanical Drawings               | 1SDH000722R0100                    |
| Wiring Diagram                    | 1SDM000068R0001                    |
| Instructions and Manuals          | 1SDH000722R0001                    |

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                                                                            |

|               |                                                            |
|---------------|------------------------------------------------------------|
| UNSPSC        | 39120000                                                   |
| 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 → Tmax XT

