



PRODUCT-DETAILS

XT4N 160 MA 12,5 Im=62,5...125 3p F F

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| General Information   |                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT4N 160 MA 12,5 Im=62,5...125 3p F F                                                                           |
| Product ID            | 1SDA068113R1                                                                                                    |
| EAN                   | 8015644012755                                                                                                   |
| Catalog Description   | XT4N 160 MA 12,5 Im=62,5...125 3p F F                                                                           |
| Long Description      | C.BREAKER TMAX XT4N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND MAGNETIC RELEASE MA lu 12,5 A I3=62,5...125 A |

| ABB EcoSolutions |     |
|------------------|-----|
| ABB EcoSolutions | Yes |

| Circular Value                              |                                                                |
|---------------------------------------------|----------------------------------------------------------------|
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 56.30 % |
| Recyclability Rate                          |                                                                |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                                |
| End of Life Instructions                    | 9AKK108468A2351                                                |

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| Group Waste to Landfill Target      | UL 2799 Zero Waste To Landfill Validation available |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326                                     |

Eco Transparency

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| Environmental Product Declaration - EPD | 9AKK108469A1857<br>9AKK108468A1892 |
|-----------------------------------------|------------------------------------|

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 | XT4NE3013MFF000XXX |
| EAN                      | 8015644012755      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 105 mm  |
| Product Net Height         | 160 mm  |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 2.5 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   | 2.5 kg        |
| Package Level 1 EAN            | 8015644012755 |

Additional Information

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Circuit Breaker Type to be Associated | Motor Protection                   |
| 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                       | 3                                  |
| Opening Time                          | CB with SOR 15 ms                  |

|                                                                     |                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                     | CB with UVR 15 ms                                                                                                                                                                                                                                                                                  |
| Order Multiple                                                      | 1 piece                                                                                                                                                                                                                                                                                            |
| Power Loss                                                          | at Rated Operating Conditions per Pole 2.3 W                                                                                                                                                                                                                                                       |
| Product Main Type                                                   | SACE Tmax XT                                                                                                                                                                                                                                                                                       |
| Product Name                                                        | Moulded Case Circuit Breaker                                                                                                                                                                                                                                                                       |
| Product Type                                                        | Automatic Circuit Breaker                                                                                                                                                                                                                                                                          |
| Rated Current (I <sub>n</sub> )                                     | 12.5 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> ) | 62.5...125 A                                                                                                                                                                                                                                                                                       |
| Rated Insulation Voltage (U <sub>i</sub> )                          | 1000 V                                                                                                                                                                                                                                                                                             |
| Rated Operational Voltage                                           | 690 V AC<br>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                                                             | MA                                                                                                                                                                                                                                                                                                 |
| Release Type                                                        | M                                                                                                                                                                                                                                                                                                  |
| 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                                             | 1SDH002230A1003                                                                                                                                                                                                                                                                                    |

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

