



PRODUCT-DETAILS

# XT1N 160 TMD 63-630 3p F F

# XT1N 160 TMD 63-630 3p F F



| General Information   |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT1N 160 TMD 63-630 3p F F                                                                              |
| Product ID            | 1SDA067414R1                                                                                            |
| EAN                   | 8015644013080                                                                                           |
| Catalog Description   | XT1N 160 TMD 63-630 3p F F                                                                              |
| Long Description      | C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 63-630 A |

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

| Circular Value                                |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 55.9 % |
| Conflict Minerals Reporting Template          | 9AKK108467A5658                                               |

(CMRT)

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| End of Life Instructions            | 9AKK108468A2347                                     |
| 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 | 9AKK108468A1890<br>9AKK108468A7793 |
|-----------------------------------------|------------------------------------|

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SCIP                      | 27b3f7d2-9a9d-4702-8c8b-78b0b8988401 Italy (IT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Simplified SCIP           | aee58fd4-1e56-4298-8189-3e5115abb462 Germany (DE)<br>1ffadfff-ebc9-4810-a077-a29ee05933b3 Poland (PL)<br>0417799a-9290-4abf-abf6-7774a98a30b1 Bulgaria (BG)<br>2eca5665-1d25-4516-8b70-b764a7bdf9a5 Sweden (SE)<br>67bee0e5-9901-4ef0-9128-7849a7b0e517 Poland (PL)<br>37737179-f4ca-49f4-9dc8-1b69cef21c3e France (FR)<br>4ba80cd9-4f6f-47f4-b1a0-8d5221b573c8 Germany (DE)<br>cdbb3483-9890-4a46-bbaa-6066e66326c8 Denmark (DK)<br>f34ae812-e6f3-45e4-bf17-926328d6ea32 Germany (DE)<br>ffa365ad-0a63-4996-801f-9f907780595d Croatia (HR)<br>ee4808c3-7716-4e4a-aed8-cb20d3a302e0 Czech Republic (CZ)<br>c6e727f6-36d0-4492-8eba-cf90e63de90c Poland (PL)<br>a7059471-1c97-4e1b-8c16-d767eaa1c627 Netherlands (NL)<br>1ffadfff-ebc9-4810-a077-a29ee05933b3 Poland (PL)<br>7b27d125-3eb3-47c4-841f-238495ac7db9 Norway (NO)<br>28b49d81-2c93-478b-97cd-b12793dd7015 Finland (FI)<br>1c033f72-17ba-46e7-b6b0-b4d95e52f2d7 Netherlands (NL)<br>7b27d125-3eb3-47c4-841f-238495ac7db9 Norway (NO)<br>28b49d81-2c93-478b-97cd-b12793dd7015 Finland (FI)<br>1c033f72-17ba-46e7-b6b0-b4d95e52f2d7 Netherlands (NL)<br>4ba80cd9-4f6f-47f4-b1a0-8d5221b573c8 Germany (DE)<br>cdbb3483-9890-4a46-bbaa-6066e66326c8 Denmark (DK)<br>f34ae812-e6f3-45e4-bf17-926328d6ea32 Germany (DE)<br>ffa365ad-0a63-4996-801f-9f907780595d Croatia (HR)<br>ee4808c3-7716-4e4a-aed8-cb20d3a302e0 Czech Republic (CZ)<br>c6e727f6-36d0-4492-8eba-cf90e63de90c Poland (PL)<br>a7059471-1c97-4e1b-8c16-d767eaa1c627 Netherlands (NL)<br>5160fe50-30eb-4851-a4ad-c7489bce1f81 Netherlands (NL)<br>4c33881f-f0a2-4ab4-8b05-80f0dc6957d1 Estonia (EE)<br>7a8aa60f-fb7b-4633-9554-857968df1c0b Greece (GR)<br>b9e146ff-487a-40be-b25f-62ef2e2aa0d0 Portugal (PT)<br>5160fe50-30eb-4851-a4ad-c7489bce1f81 Netherlands (NL)<br>4c33881f-f0a2-4ab4-8b05-80f0dc6957d1 Estonia (EE)<br>7a8aa60f-fb7b-4633-9554-857968df1c0b Greece (GR)<br>b9e146ff-487a-40be-b25f-62ef2e2aa0d0 Portugal (PT)<br>ea73ce68-7db5-4d60-961b-2590dc8126fd Sweden (SE)<br>ceb27245-9af4-4fb1-b449-dc81ee39b704 Germany (DE)<br>047a76d8-ead0-4265-bfa2-ca814a2e94a9 Germany (DE)<br>24be2c1a-d0a0-489b-9e49-9b1b683e7486 France (FR)<br>6f275054-5b49-46ae-b8a4-f437da98c26b Netherlands (NL)<br>0c235e17-44de-43ef-857f-e2b2acfec393 Spain (ES)<br>4e491c2d-d697-4758-ae23-de5d61949d1c Netherlands (NL)<br>0417799a-9290-4abf-abf6-7774a98a30b1 Bulgaria (BG)<br>2eca5665-1d25-4516-8b70-b764a7bdf9a5 Sweden (SE)<br>4e491c2d-d697-4758-ae23-de5d61949d1c Netherlands (NL) |

67bee0e5-9901-4ef0-9128-7849a7b0e517 Poland (PL)  
 37737179-f4ca-49f4-9dc8-1b69cef21c3e France (FR)  
 ea73ce68-7db5-4d60-961b-2590dc8126fd Sweden (SE)  
 ceb27245-9af4-4fb1-b449-dc81ee39b704 Germany (DE)  
 047a76d8-ead0-4265-bfa2-ca814a2e94a9 Germany (DE)  
 24be2c1a-d0a0-489b-9e49-9b1b683e7486 France (FR)  
 6f275054-5b49-46ae-b8a4-f437da98c26b Netherlands (NL)  
 0c235e17-44de-43ef-857f-e2b2acfec393 Spain (ES)

**Ordering**

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 3640524       |
| E-Number (Sweden)      | 3182431       |
| EAN                    | 8015644013080 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

**Dimensions**

|                            |         |
|----------------------------|---------|
| Product Net Width          | 76.2 mm |
| Product Net Height         | 130 mm  |
| Product Net Depth / Length | 70 mm   |
| Product Net Weight         | 1.1 kg  |

**Container Information**

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 128 mm        |
| Package Level 1 Height         | 135 mm        |
| Package Level 1 Depth / Length | 143 mm        |
| Package Level 1 Gross Weight   | 1.133 kg      |
| Package Level 1 EAN            | 8015644013080 |

**Additional Information**

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution                           |
| Connecting Capacity Main Circuit      | Busbar 45.5 ... 80 mm <sup>2</sup>           |
| 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<br>CB with UVR 15 ms       |
| Order Multiple                        | 1 piece                                      |
| Power Loss                            | at Rated Operating Conditions per Pole 4.3 W |
| Product Main Type                     | SACE Tmax XT                                 |
| Product Name                          | Moulded Case Circuit Breaker                 |
| Product Type                          | Automatic Circuit Breaker                    |
| Rated Current (I <sub>n</sub> )       | 63 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>i</sub> ) | 630 A                                                                                                                                                                                                                                                       |
| Rated Insulation Voltage (U <sub>i</sub> )                          | 800 V                                                                                                                                                                                                                                                       |
| Rated Operational Voltage                                           | 690 V AC<br>500 V DC                                                                                                                                                                                                                                        |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )    | (220 V AC) 50 kA<br>(230 V AC) 50 kA<br>(240 V AC) 50 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 18 kA<br>(500 V AC) 15 kA<br>(525 V AC) 11 kA<br>(690 V AC) 5 kA<br>(250 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) 22 kA<br>(690 V AC) 6 kA<br>(250 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 M6                                                                                                                                                                                                                                             |
| Release                                                             | TMD                                                                                                                                                                                                                                                         |
| Release Type                                                        | TM                                                                                                                                                                                                                                                          |
| RoHS Date                                                           | NA                                                                                                                                                                                                                                                          |
| Setting Range                                                       | 44.1...63 A                                                                                                                                                                                                                                                 |
| Short-Circuit Performance Level                                     | N                                                                                                                                                                                                                                                           |
| Standards                                                           | IEC60947-2                                                                                                                                                                                                                                                  |
| Sub-type                                                            | XT1                                                                                                                                                                                                                                                         |
| Terminal Connection Type                                            | Front                                                                                                                                                                                                                                                       |
| Terminal Type                                                       | Bolt                                                                                                                                                                                                                                                        |
| Tightening Torque                                                   | 6 N·m                                                                                                                                                                                                                                                       |
| Version                                                             | F                                                                                                                                                                                                                                                           |
| CAD Dimensional Drawing                                             | 1SDH001295R0008                                                                                                                                                                                                                                             |

### Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5532                    |
| GL Certificate                    | 1SDL000163R0103                    |

|                          |                         |
|--------------------------|-------------------------|
| LR Certificate           | 1SDL000163R0100         |
| UL Certificate           | No certification needed |
| VDE Certificate          | No certification needed |
| Dimension Diagram        | 1SDH000719R0100         |
| Mechanical Drawings      | 1SDH000719R0100         |
| Wiring Diagram           | 1SDM000068R0001         |
| Instructions and Manuals | 1SDH000719R0001         |

### 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

