

PRODUCT-DETAILS

XT2N 160 MF 4 Im=56 3p F F

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General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | XT2N 160 MF 4 Im=56 3p F F   |
| Product ID            | 1SDA067046R1   |
| EAN                   | 8015644009526  |
| Catalog Description   | XT2N 160 MF 4 Im=56 3p F F   |
| Long Description      | C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND MAGNETIC RELEASE MF Iu 4 A I3=56 A |

ABB EcoSolutions

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

Circular Value

|   |   |
|---|---|
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 58.1 % |
| Recyclability Rate                          |   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658   |
| End of Life Instructions                    | 9AKK108468A2348   |
| 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 | 9AKK108468A1891 |
|---|-----------------|

## 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 | XT2NE3004IFF000XXX |
| EAN                      | 8015644009526      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

## Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 90 mm   |
| Product Net Height         | 130 mm  |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 1.1 kg  |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 131 mm        |
| Package Level 1 Height         | 212 mm        |
| Package Level 1 Depth / Length | 147 mm        |
| Package Level 1 Gross Weight   | 1.2 kg        |
| Package Level 1 EAN            | 8015644009526 |

## Additional Information

|                                       |   |
|---------------------------------------|---|
| Circuit Breaker Type to be Associated | Motor Protection                              |
| Connecting Capacity Main Circuit      | Busbar 32.5..100 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<br>CB with UVR 15 ms        |
| Order Multiple                        | 1 piece                                       |
| Power Loss                            | at Rated Operating Conditions per Pole 2.47 W |
| Product Main Type                     | SACE Tmax XT                                  |

|   |  |
|---|--|
| Product Name  | Moulded Case Circuit Breaker   |
| Product Type  | Automatic Circuit Breaker  |
| Rated Current (I <sub>n</sub> )                                     | 4 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> ) | 56 A   |
| Rated Insulation Voltage (U <sub>i</sub> )                          | 1000 V   |
| Rated Operational Voltage   | 690 V AC<br>500 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) 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) 3 Poles in Series 36 kA |
| Rated Uninterrupted Current (I <sub>u</sub> )                       | 160 A  |
| Recommended Screw Driver  | Main Circuit M6  |
| Release   | MF   |
| Release Type  | M  |
| Short-Circuit Performance Level                                     | N  |
| Standards   | IEC  |
| Sub-type  | XT2  |
| Terminal Connection Type  | Front  |
| Terminal Type   | Bolt   |
| Tightening Torque   | 6 N·m  |
| Version   | F  |
| CAD Dimensional Drawing   | 1SDH002230A1001  |

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5901                    |
| GL Certificate                    | 1SDL000163R0093                    |
| LR Certificate                    | 1SDL000163R0100                    |
| UL Certificate                    | No certification needed            |
| VDE Certificate                   | No certification needed            |
| Dimension Diagram                 | 1SDH000721R0100                    |

|                          |                 |
|--------------------------|-----------------|
| Mechanical Drawings      | 1SDH000721R0100 |
| Wiring Diagram           | 1SDM000068R0001 |
| Instructions and Manuals | 1SDH000721R0001 |

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

