



PRODUCT-DETAILS

XT2N 160 TMD 20-300 3p F F

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| General Information | |
|-----------------------|---|
| Extended Product Type | XT2N 160 TMD 20-300 3p F F |
| Product ID | 1SDA067011R1 |
| EAN | 8015644008574 |
| Catalog Description | XT2N 160 TMD 20-300 3p F F |
| Long Description | C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 20-300 A |

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

| Circular Value | |
|---|---|
| Circular Design | Design for Closing Resource Loops - Standard EN45555 - 58.1 % |
| Principles Recyclability Rate | |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| End of Life Instructions | 9AKK108468A2348 |
| Group Waste to Landfill | UL 2799 Zero Waste To Landfill Validation available |

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|--------------------|-----------------|
| Target | |
| Toxic Substances | 9AKK108467A8326 |
| Control Act - TSCA | |

Eco Transparency

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|---|-----------------|
| Environmental Product Declaration - EPD | 9AKK108468A1891 |
|---|-----------------|

Environmental

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|---------------------------|--|
| 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

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|--------------------------|--------------------|
| Order Code US and Canada | XT2NE3020AFF000XXX |
| E-Number (Finland) | 3640563 |
| EAN | 8015644008574 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Dimensions

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|----------------------------|---------|
| Product Net Width | 90 mm |
| Product Net Height | 130 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 1.4 kg |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 130 mm |
| Package Level 1 Height | 208 mm |
| Package Level 1 Depth / Length | 145 mm |
| Package Level 1 Gross Weight | 1.673 kg |
| Package Level 1 EAN | 8015644008574 |

Additional Information

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|---------------------------------------|----------------------|
| Circuit Breaker Type to be Associated | Power Distribution |
| Connecting Capacity Main Circuit | Busbar 32.5..100 mm² |
| Current Type | AC/DC |
| Electrical Durability | 120 cycles per hour |

| | |
|--|--|
| | 8000 cycle |
| Mechanical Durability | 240 cycles per hour 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 1.62 W |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Rated Current (I_n) | 20 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_i) | 300 A |
| Rated Insulation Voltage (U_i) | 1000 V |
| Rated Operational Voltage | 690 V AC 500 V DC |
| Rated Service Short- Circuit Breaking Capacity (I_{cs}) | (220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (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) 3 Poles in Series 36 kA |
| Rated Ultimate Short- Circuit Breaking Capacity (I_{cu}) | (220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (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) 3 Poles in Series 36 kA |
| Rated Uninterrupted Current (I_u) | 160 A |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMD |
| Release Type | TM |
| RoHS Date | NA |
| Setting Range | 14...20 A |
| Short-Circuit Performance Level | N |
| Standards | IEC |
| Sub-type | XT2 |
| Terminal Connection Type | Front |
| Terminal Type | Bolt |
| Tightening Torque | 6 N·m |

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|-------------------------|-----------------|
| Version | F |
| CAD Dimensional Drawing | 1SDH002230A1001 |

Certificates and Declarations

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|-----------------------------------|------------------------------------|
| ATEX Certificate | No certification needed |
| Data Sheet, Technical Information | 1SDC210100D0206 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

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|----------------------------|--|
| 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

