



PRODUCT-DETAILS

XT2N 160 TMA 160-1600 4p F F InN=50%

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General Information

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|-----------------------|--|
| Extended Product Type | XT2N 160 TMA 160-1600 4p F F InN=50% |
| Product ID | 1SDA067041R1 |
| EAN | 8015644009472 |
| Catalog Description | XT2N 160 TMA 160-1600 4p F F InN=50% |
| Long Description | C.BREAKER TMAX XT2N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 160 I3=800...1600 A NEUTRAL = 50% PHASES |

ABB EcoSolutions

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|---|---|
| ABB EcoSolutions | Yes |
| ABB Site Meeting Group Waste To Landfill Target | UL 2799 Zero Waste To Landfill Validation available |
| End Of Life Disassembling Instructions | 9AKK108468A2348 |
| Environmental Product Declaration - EPD | 9AKK108469A1856 9AKK108468A1891 |
| Extended Product Lifetime | Product Modularity |

Recyclability Rate of the Product acc. to EN45555

Design for Closing Resource Loops - Standard EN45555 - 55.70 %

Material Compliance

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|---|--|
| REACH Declaration | 9AKK108466A1425 |
| RoHS Declaration | 9AKK108466A1424 |
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |
| SCIP | 3889c23b-2ea6-469a-84db-70feb881b0d3 Italy |
| Simplified SCIP | f0a25bcd-607f-4c65-958c-51253ac244e8 Germany 98fcd22e-3f8f-4cd3-abb5-840a3987d872 Germany dcf20773-2dbb-4339-956e-46d810971c52 Czech Republic cc705b6e-0491-489c-b0ec-19355c18253f Germany 4ba6c340-7ccf-4f73-900f-dd2e0835764e Portugal d10b6604-49f3-459c-adf1-2d9ede2e0667 Denmark 5ae57962-bdfd-4b75-951b-e7e9d84d0c12 Sweden f2561584-b34c-49df-a2f7-cdfb6eda4e78 Croatia e309b6d3-cd4e-44a9-bb8b-fc302b5cda99 Germany 79f6a600-3a65-41d4-8df8-741274140477 Hungary 629cf93b-52cd-4256-9803-0f6a4cac97d5 Spain 64e65409-03c8-4152-8ca2-4fcac2a5c069 Belgium 2fb89f16-d0f1-4ae5-a522-6c4027225610 France cea15b76-265c-497f-85e4-fb0d67a8ed95 Bulgaria d2538ace-4404-47f6-8c71-9efba386cfd0 Netherlands 2b36e778-9df8-4a38-8f18-6f53147c5a01 Norway d19a02b1-de7a-40bd-b3b3-e2d0a041c6e8 Sweden 122922bc-f9b3-48bb-b7cd-b5ff8f233598 Poland 2e4a6c77-945f-42d2-9780-cf89e0b8eef7 Poland ad0da37c-0b83-4ab7-b407-63aac144de10 Germany d0479b2f-c7d7-48cb-acf6-2fb7cb57cda2 Hungary f5e27ac7-4a30-4871-9aa2-66984bc8c296 Poland 01cd1cef-d87e-48cf-b08d-3edd7087edec Finland dda057ca-0776-4b57-ab70-6eb3b4b69f72 Estonia 7f4477c5-8a41-4d14-83e5-90a5f3725339 Belgium c4948a84-d213-447f-9081-cd14682e7172 Greece 06cdfbcb-a307-42a8-b76d-775969dc68f6 France |

Environmental

| | |
|---------------------------|-----------------|
| Environmental Information | 9AKK108467A6707 |
|---------------------------|-----------------|

Ordering

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|--------------------------|--------------------|
| Order Code US and Canada | XT2NEN160BFF000XXX |
| EAN | 8015644009472 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Dimensions

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|--------------------|--------|
| Product Net Width | 120 mm |
| Product Net Height | 130 mm |

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|----------------------------|---------|
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 1.45 kg |

Container Information

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|--------------------------------|---------------|
| 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 | 1.55 kg |
| Package Level 1 EAN | 8015644009472 |

Additional Information

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|---------------------------------------|------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution |
| Product Main Type | SACE Tmax XT |
| Product Name | Moulded Case Circuit Breaker |
| Product Type | Automatic Circuit Breaker |
| Version | F |
| CAD Dimensional Drawing | 1SDH002230A1002 |

Technical

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|---|--|
| Connecting Capacity Main Circuit | Busbar 32.5..100 mm ² |
| Current Type | AC/DC |
| Electrical Durability | 120 cycles per hour 8000 cycle |
| Mechanical Durability | 240 cycles per hour 25000 cycle |
| Number of Poles | 4P |
| Opening Time | CB with SOR 30 ms CB with UVR 30 ms |
| Order Multiple | 1 piece |
| Power Loss | at Rated Operating Conditions per Pole 16.15 W |
| Rated Current (I _n) | 160 A |
| Rated Frequency (f) | 50 / 60 Hz |
| Rated Impulse Withstand Voltage (U _{imp}) | 8 kV |
| Rated Instantaneous Short-Circuit Current Setting (I _i) | 800...1600 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 |

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|---|--|
| | (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 |
| Rated Voltage (U _r) | 690 V |
| Recommended Screw Driver | Main Circuit M6 |
| Release | TMA |
| Release Type | TM |
| Setting Range | 112...160 A |
| Short-Circuit Performance Level | N |
| Standards | IEC60947-2 |
| Sub-type | XT2 |
| Terminal Connection Type | Front |
| Terminal Type | Bolt |
| Tightening Torque | 6 N·m |

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 |

External Classifications and Standards

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|----------------------------|--|
| ETIM 9 | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| ETIM 10 | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification Code | Q |

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

