



PRODUCT-DETAILS

XT2N 160 TMA 80-800 3p F F

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General Information

Extended Product Type	XT2N 160 TMA 80-800 3p F F
Product ID	1SDA067017R1
EAN	8015644009236
Catalog Description	XT2N 160 TMA 80-800 3p F F
Long Description	C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 80 I3=400...800 A

ABB EcoSolutions

ABB EcoSolutions	Yes
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Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.70 %
End of Life Instructions	9AKK108468A2348

Group Waste to Landfill
Target

UL 2799 Zero Waste To Landfill Validation available

Eco Transparency

Environmental Product Declaration - EPD	9AKK108469A1856 9AKK108468A1891
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Environmental

Environmental Information	9AKK108467A6707
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Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	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	69c4e18d-0ab2-4944-943a-82f8a020de52 Italy (IT)
Simplified SCIP	eb1e3c1e-203f-48c5-9708-06b205da319e Hungary (HU) d4c1fc83-b7ed-45f8-a5cc-8f567b6d773d Spain (ES) 4cc3c653-7baf-4337-8869-c8ebc51f661b Belgium (BE) 07200370-2e05-4b60-8e4c-3123aebccf04 France (FR) 6a3a9ec7-3143-435f-b25b-dc8ae2e7e3c7 Hungary (HU) 984127c1-5e8f-4bbc-92df-180ca4bf29a3 Czech Republic (CZ) 502d54f4-b093-428a-98b6-d7f269f2ab0d Portugal (PT) a277c07b-35fe-4a25-bc38-a72356fcd288 Germany (DE) 8bb7566d-79b8-4aad-bcf4-b1b62344c024 Denmark (DK) 1a6af640-1a22-4044-92cf-227622596731 Sweden (SE) 826ca3db-9ce4-463b-b329-6f9fa8e6cec2 Germany (DE) b3b85b81-a17a-4656-ba48-098625f79ebe Germany (DE) 5aaa7d00-e450-4b8b-9cbc-7197dd2a10a7 Croatia (HR) a2fd7051-38f1-488e-994d-2665dafc0f05 Norway (NO) e6546c71-b740-4ac3-8e2b-a96172d5cc7d Netherlands (NL) 45cbb033-9e0a-4a0f-a2b5-e52467a24a6c Sweden (SE) 0ae5f635-2c9c-4d6d-b444-cddbbe53e6c5 Bulgaria (BG) f0d8fd84-336c-4aae-8237-e08eccbdf0b Poland (PL) 05f0b095-37ed-42d5-ae5-3791ab7894e2 Poland (PL) 8348c1cc-caae-49a9-adaf-239bd22e462e Germany (DE) a263a282-fbc2-45f9-9e64-6e4ece74e656 Germany (DE) 35dd4cc5-65fb-47a4-8016-ca2541885a03 Belgium (BE) 831d7733-fe2a-464d-93fe-91118cf67e37 Estonia (EE) bb975baa-d139-4aa7-b229-f170636feaf2 Greece (GR) d205e574-9a51-4c78-bdfe-fb33c3141c34 France (FR) 8a96586b-6dac-4e38-9db5-aca801a4ab55 Finland (FI) 1ae9475f-f7ca-4749-af88-21bbff37765a Poland (PL)

Ordering

Order Code US and Canada	XT2NE3080BFF000XXX
E-Number (Finland)	3638651
EAN	8015644009236
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	1.4 kg

Container Information

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	1.667 kg
Package Level 1 EAN	8015644009236

Additional Information

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	1SDH002230A1001

Technical

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	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 5.8 W
Rated Current (I _n)	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	400...800 A
Rated Insulation Voltage	1000 V

(U _i)	
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
Rated Voltage (U _r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMA
Release Type	TM
Setting Range	56...80 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

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

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

