



PRODUCT-DETAILS

XT1N 160 TMD 80-800 4p F F

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General Information	
Extended Product Type	XT1N 160 TMD 80-800 4p F F
Product ID	1SDA067423R1
EAN	8015644013172
Catalog Description	XT1N 160 TMD 80-800 4p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 80-800 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Principles Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill	UL 2799 Zero Waste To Landfill Validation available

Target	
Toxic Substances	9AKK108467A8326
Control Act - TSCA	

Eco Transparency

Environmental Product	9AKK108468A1890
Declaration - EPD	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	38ea6003-efeb-440b-8258-294c4647d79c Italy (IT)
Simplified SCIP	13d4e4b4-a0b7-4b0e-a670-bf1e01e9dc3d Poland (PL) 383e131d-8ac9-464b-891c-edec40806df8 Norway (NO) 4edfba22-9fdd-4b59-8ab8-17d5ad0e1490 Finland (FI) fa2a42d4-3bc2-4227-a0c8-cd97d76849db Netherlands (NL) ed0d7f17-8e19-4ea9-a0c0-ae7a50079494 Germany (DE) d5a17c63-7902-4635-832b-0cb8363bedac Denmark (DK) f0964070-7e0c-4541-9359-2d1975aa9945 Germany (DE) 54f8c0e4-78d5-4efc-bb4a-e7bf97518408 Croatia (HR) 7508a0e6-9533-4ab0-bfe5-bc229327607a Czech Republic (CZ) a9f952fd-daf0-4a35-9c2f-b2a31a011ae8 Poland (PL) 18281490-6f95-4f80-a336-0e6b162be180 Netherlands (NL) d308258b-32b9-4087-bf09-6a66e3109ef4 Netherlands (NL) 0a45d19b-4a2a-440f-af7c-53ac264325b3 Estonia (EE) fdd57062-d9fc-4bfd-9079-4a3a96ea94b1 Greece (GR) fb836575-46ef-4da4-9067-d404dc5946bb Portugal (PT) c67644e0-dda8-4107-b8e9-978fdcebea28 Sweden (SE) 11f8b80f-ea71-4297-a53f-4258d5d3b90f Germany (DE) 1259445e-a1fd-4893-9b9f-08f9edc89b4f Germany (DE) 92b4386c-e5ab-444f-95be-43e1758d7166 France (FR) 5e4ea114-26ff-402c-acb5-2e5fc34e10d1 Netherlands (NL) 8cffde16-12dc-4fce-933f-374d54f4fa47 Spain (ES) 6e68ca4c-fe07-4278-bd95-1afbb79714d2 Netherlands (NL) d930dbf9-748d-45b2-a1a8-47f2ccd1c44d Bulgaria (BG) 5934e348-5f4f-4876-8065-3c684e919acd Sweden (SE) 6e68ca4c-fe07-4278-bd95-1afbb79714d2 Netherlands (NL) 3acd809e-c5d0-4f20-91c3-1f3d01b455b4 Poland (PL) f9e3242c-3f43-48ef-8ba4-46b6975a3fdd France (FR) c67644e0-dda8-4107-b8e9-978fdcebea28 Sweden (SE) 11f8b80f-ea71-4297-a53f-4258d5d3b90f Germany (DE) 1259445e-a1fd-4893-9b9f-08f9edc89b4f Germany (DE) 92b4386c-e5ab-444f-95be-43e1758d7166 France (FR) 5e4ea114-26ff-402c-acb5-2e5fc34e10d1 Netherlands (NL) 8cffde16-12dc-4fce-933f-374d54f4fa47 Spain (ES) 13d4e4b4-a0b7-4b0e-a670-bf1e01e9dc3d Poland (PL) 383e131d-8ac9-464b-891c-edec40806df8 Norway (NO) 4edfba22-9fdd-4b59-8ab8-17d5ad0e1490 Finland (FI) fa2a42d4-3bc2-4227-a0c8-cd97d76849db Netherlands (NL) ed0d7f17-8e19-4ea9-a0c0-ae7a50079494 Germany (DE) d5a17c63-7902-4635-832b-0cb8363bedac Denmark (DK) f0964070-7e0c-4541-9359-2d1975aa9945 Germany (DE) 54f8c0e4-78d5-4efc-bb4a-e7bf97518408 Croatia (HR) 7508a0e6-9533-4ab0-bfe5-bc229327607a Czech Republic (CZ) a9f952fd-daf0-4a35-9c2f-b2a31a011ae8 Poland (PL) 18281490-6f95-4f80-a336-0e6b162be180 Netherlands (NL) d308258b-32b9-4087-bf09-6a66e3109ef4 Netherlands (NL) 0a45d19b-4a2a-440f-af7c-53ac264325b3 Estonia (EE) fdd57062-d9fc-4bfd-9079-4a3a96ea94b1 Greece (GR) fb836575-46ef-4da4-9067-d404dc5946bb Portugal (PT)

d930dbf9-748d-45b2-a1a8-47f2ccd1c44d Bulgaria (BG)
5934e348-5f4f-4876-8065-3c684e919acd Sweden (SE)
3acd809e-c5d0-4f20-91c3-1f3d01b455b4 Poland (PL)
f9e3242c-3f43-48ef-8ba4-46b6975a3fdd France (FR)

Ordering

Order Code US and Canada	XT1NE4080AFF000XXX
E-Number (Finland)	3640543
E-Number (Sweden)	3182421
EAN	8015644013172
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.4 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	1.466 kg
Package Level 1 EAN	8015644013172

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
Connecting Capacity Main Circuit	Busbar 45.5 ... 80 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	4
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 4.8 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I _n)	80 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)	800 A
Rated Insulation Voltage (U _i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short- Circuit Breaking Capacity (I _{cs})	(220 V AC) 50 kA (230 V AC) 50 kA (240 V AC) 50 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 18 kA (500 V AC) 15 kA (525 V AC) 11 kA (690 V AC) 5 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) 22 kA (690 V AC) 6 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
Setting Range	56...80 A
Short-Circuit Performance Level	N
Standards	IEC
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0080

Certificates and Declarations

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

