



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 Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Conflict Minerals Reporting Template	9AKK108467A5658

(CMRT)

End of Life Instructions	9AKK108468A2347
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	9AKK108468A1890 9AKK108468A7793
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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	98d8e47e-b478-4d8c-ab67-23a70f319ba6 Germany (DE) 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 mm²
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	IEC60947-2
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	9AKK106713A5532

Conformity - CE

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

