



PRODUCT-DETAILS

XT1N 160 TMD 160-1600 3p F F

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General Information	
Extended Product Type	XT1N 160 TMD 160-1600 3p F F
Product ID	1SDA067418R1
EAN	8015644013127
Catalog Description	XT1N 160 TMD 160-1600 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 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

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	Ob280405-0d14-4a6b-8897-b8525b9a94f7 Italy (IT)
Simplified SCIP	8d8526a6-151f-4b0b-89e3-f6852a02aa40 Germany (DE) 67dff7ca-3c8d-47c8-95df-b0d8260514b6 Bulgaria (BG) 07132179-5384-4118-9010-c83de9d8a1c4 Sweden (SE) b35ca2ed-077f-4c44-acd7-17ede1d32acb Poland (PL) 3ff67411-b530-449f-9d7b-dbadc1806665 France (FR) b8684c66-06c8-4156-b9d3-c89dfb153bfd Norway (NO) 79524225-1e57-4fbf-a42a-4b2bfd5a5b52 Finland (FI) 452300e5-ac9f-4755-8e47-073c2a1686ae Netherlands (NL) 7ac38085-6a69-483b-8b39-f252cbc23625 Germany (DE) 222efe7b-e5af-453f-9429-9b3b9691646c Denmark (DK) 9a610e0e-0a51-4297-88b0-f1f18655fbd2 Germany (DE) ee5bf16a-a048-4b18-adf7-65253667909a Croatia (HR) feaed771-e9e1-4cf2-97f3-45eb348f9b3e Czech Republic (CZ) 4298cfc5-9a3d-4056-bb07-2e16a831dac5 Poland (PL) f075e8c8-1a9f-4a84-851a-63058e83f034 Netherlands (NL) fbe80637-1987-44f6-94a8-9f03837ddffe Netherlands (NL) 50f42c46-845e-4213-bed8-55c751e75c4c Estonia (EE) 3924bc4e-e052-4abc-a88f-14fe2173b008 Greece (GR) c62e9051-58eb-43b5-a3f7-c815a487c5cc Portugal (PT) 50f42c46-845e-4213-bed8-55c751e75c4c Estonia (EE) 3924bc4e-e052-4abc-a88f-14fe2173b008 Greece (GR) a6f175ab-18e9-471c-be5e-4afd197a0ddb Sweden (SE) 4db124e2-aa86-45c7-becf-21d5d82affbc Germany (DE) 00e27a3e-d89e-4d85-82dd-556b23ce8747 Germany (DE) e0d96579-9773-49a3-9e73-52f19b714a09 France (FR) 65f2bfc2-55eb-459a-b585-b6f271e7084f Netherlands (NL) 5e808fd3-830e-4f50-ae11-3751c6d40912 Spain (ES) ee34bc11-ba20-4a3f-91ef-63e6b955b5d2 Poland (PL) c62e9051-58eb-43b5-a3f7-c815a487c5cc Portugal (PT) a6f175ab-18e9-471c-be5e-4afd197a0ddb Sweden (SE) 4db124e2-aa86-45c7-becf-21d5d82affbc Germany (DE) 00e27a3e-d89e-4d85-82dd-556b23ce8747 Germany (DE) e0d96579-9773-49a3-9e73-52f19b714a09 France (FR) 65f2bfc2-55eb-459a-b585-b6f271e7084f Netherlands (NL) 5e808fd3-830e-4f50-ae11-3751c6d40912 Spain (ES) 1d6cafc1-fed7-4e03-ad5b-1eb0a3ea51cc Netherlands (NL) 67dff7ca-3c8d-47c8-95df-b0d8260514b6 Bulgaria (BG) 07132179-5384-4118-9010-c83de9d8a1c4 Sweden (SE) 1d6cafc1-fed7-4e03-ad5b-1eb0a3ea51cc Netherlands (NL) b35ca2ed-077f-4c44-acd7-17ede1d32acb Poland (PL) 3ff67411-b530-449f-9d7b-dbadc1806665 France (FR) 9a610e0e-0a51-4297-88b0-f1f18655fbd2 Germany (DE) ee5bf16a-a048-4b18-adf7-65253667909a Croatia (HR) feaed771-e9e1-4cf2-97f3-45eb348f9b3e Czech Republic (CZ) 4298cfc5-9a3d-4056-bb07-2e16a831dac5 Poland (PL)

f075e8c8-1a9f-4a84-851a-63058e83f034 Netherlands (NL)
fbe80637-1987-44f6-94a8-9f03837ddffe Netherlands (NL)
ee34bc11-ba20-4a3f-91ef-63e6b955b5d2 Poland (PL)
b8684c66-06c8-4156-b9d3-c89dfb153bfd Norway (NO)
79524225-1e57-4fbf-a42a-4b2bfd5a5b52 Finland (FI)
452300e5-ac9f-4755-8e47-073c2a1686ae Netherlands (NL)
7ac38085-6a69-483b-8b39-f252cbc23625 Germany (DE)
222efe7b-e5af-453f-9429-9b3b9691646c Denmark (DK)

Ordering

Order Code US and Canada	XT1NE3160AFF000XXX
E-Number (Finland)	3640521
E-Number (Sweden)	3182427
EAN	8015644013127
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.1 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	1.143 kg
Package Level 1 EAN	8015644013127

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	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 15 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker

Product Type	Automatic Circuit Breaker
Rated Current (I _n)	160 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)	1600 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
RoHS Date	NA
Setting Range	112...160 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	1SDH001295R0008

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

