



PRODUCT-DETAILS

# XT1N 160 TMD 160-1600 3p F F

## XT1N 160 TMD 160-1600 3p F F



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
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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	0b280405-0d14-4a6b-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) f8e80637-1987-44f6-94a8-9f03837ddffe 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 mm <sup>2</sup>
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 <sub>n</sub> )	160 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U <sub>r</sub> )	690 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	1600 A
Rated Insulation Voltage (U <sub>i</sub> )	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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 <sub>cu</sub> )	(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 <sub>u</sub> )	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

