



PRODUCT-DETAILS

# XT1N 160 TMD 40-450 3p F F

## XT1N 160 TMD 40-450 3p F F



### General Information

Extended Product Type	XT1N 160 TMD 40-450 3p F F
Product ID	1SDA067412R1
EAN	8015644013066
Catalog Description	XT1N 160 TMD 40-450 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 40-450 A

### ABB EcoSolutions

ABB EcoSolutions	Yes
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### Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
End of Life Instructions	9AKK108468A2347

Group Waste to Landfill  
Target

UL 2799 Zero Waste To Landfill Validation available

### Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
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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	848fe73d-3ecc-4485-bbef-f2dec965f3a5 Italy (IT)
Simplified SCIP	420b6837-de7d-4bd1-9b36-33bb9784cf52 Belgium (BE) dd86a351-c853-4974-861b-1cfac369457b Spain (ES) 154d20fb-5c46-44dd-8ac8-a0b427001ce2 France (FR) c6104aa2-5e11-448e-8dc7-0625a9587a81 Denmark (DK) 4dce0847-a9d7-4ef5-be92-d25bf5bd5abb Sweden (SE) 1a1116b9-2f0d-47c7-bc03-e330b4f6ed05 Germany (DE) d4851bc2-3e98-4339-832b-5aaec40f4f87 Croatia (HR) c03712dc-bed8-4751-8170-8c71892a13f0 Germany (DE) 265df65c-9459-4bb0-b3c8-d109ae59a186 Czech Republic (CZ) b624c864-c9b6-4e70-97aa-6eeb5070a281 Germany (DE) ef479331-30d5-437b-a278-5cbc9b945a9d Germany (DE) 9fef5a66-1712-4946-9e76-ac21b568edfd Hungary (HU) bc71b1e7-e458-460d-98f3-a122bb230cd9 Portugal (PT) d9a7f657-2b46-4804-a7da-99ff774bea68 Poland (PL) 44639bb5-7fcf-422b-8e2b-5e7deeb5af01 Bulgaria (BG) 21411aac-cb8a-4a0d-95c2-979a92878952 Poland (PL) c731cdd8-14e9-44b4-900b-490e2fce8db6 Germany (DE) 2a8f7c1c-a8d7-4fc6-b20c-7f82aec243a3 Estonia (EE) 35bc22fd-33d7-4641-8228-947203a00961 Belgium (BE) d801a270-4410-4546-9cad-0c679bd4d03e Greece (GR) 87b6d777-b996-470b-a703-53e5010a590d France (FR) f5bd22de-f07b-42cd-9052-3f5d890a532a Poland (PL) b7794e80-d1c0-4840-940f-6f4fc3aad3e6 Hungary (HU) 4f0c67dd-f132-4c60-8c54-26c21ed62a24 Finland (FI) d78ad1ad-48e4-4a0e-ae8a-d02fea224f6a Sweden (SE) 515bff57-ce73-49ee-88a2-b45fb6668cc9 Norway (NO) aa7c55c8-ee4d-468d-9403-20b0fc1474ad Netherlands (NL)

### Ordering

Order Code US and Canada	XT1NE3040AFF000XXX
E-Number (Finland)	3640523
EAN	8015644013066
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	1.137 kg
Package Level 1 EAN	8015644013066

### 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	1SDH001295R0008

### Technical

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 2.6 W
Rated Current (I <sub>n</sub> )	40 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	450 A
Rated Insulation Voltage	800 V

(U <sub>i</sub> )	
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
Rated Voltage (U <sub>r</sub> )	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	28...40 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
Sub-type	XT1
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	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

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## 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

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## Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

