



PRODUCT-DETAILS

XT1N 160 TMD 32-450 3p F F

XT1N 160 TMD 32-450 3p F F



General Information	
Extended Product Type	XT1N 160 TMD 32-450 3p F F
Product ID	1SDA067411R1
EAN	8015644013059
Catalog Description	XT1N 160 TMD 32-450 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 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 (CMRT)	9AKK108467A5658
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	b8ba1754-58ff-4887-8f7b-ac517add86e1 Italy (IT)
Simplified SCIP	45f47fd6-9223-46fa-a768-bcd646930445 Bulgaria (BG) 826467e8-cc7a-454f-9954-b24a70a33722 Poland (PL) 64d2a653-cc56-47a4-8907-40c4975df2c5 France (FR) 0c9508b2-5f63-4738-9f37-95ee249dd923 Croatia (HR) bfd52cf6-137a-4f1c-baa4-198c7ddd4e77 Poland (PL) a8ce4899-c258-4bc9-aac4-7af7a288685d Denmark (DK) 7525be68-6981-41b5-91d3-5fed25e2a835 Germany (DE) c10aa335-ed19-44b1-b311-abe8c0213e31 Belgium (BE) 5b53a997-ff88-4eb7-afb6-07ddef9a2176 Germany (DE) 78a1611c-b08c-4b82-a760-a9bc7da23dfb Norway (NO) cbe9d242-d2db-4e53-b93d-35a5d1c6bb74 Finland (FI) 4e709cd3-5143-4be6-a525-7d85629d9946 Czech Republic (CZ) cdbdc825-e361-4240-9349-5061d288185e Poland (PL) c514384a-039c-426f-a521-b1eac9b56b6e Netherlands (NL) b9688eb6-71ae-4c47-92ee-dc1425ce896b Greece (GR) 701d79bb-51d3-4b42-aafd-33bade3eabd2 Portugal (PT) 1417ae19-1649-44f6-9231-412343027262 Hungary (HU) c9f14d1c-7394-4cab-b753-be55508ca065 Estonia (EE) 70b057a8-566a-41a8-ad52-08518207790a Hungary (HU) 8e4aab66-7fa7-422e-9cc3-8ab43447bab1 France (FR) f08d0540-cdf9-4632-802e-19ce412839a5 Spain (ES) fab47967-e60a-4ffe-ae3c-f3174b9c57d0 Germany (DE) f0447bee-d0c0-469b-9fd1-36c1a459b32b Germany (DE) 6b50316f-e96a-457c-aa45-af0a945b8d9d Belgium (BE) f85f968d-05e4-4d0f-afa2-a32373a91645 Sweden (SE) 999f1b32-9c39-4e8c-8d78-2eb9c626385c Sweden (SE) 96e93a98-4c84-47e2-a83c-afd5fe9a555b Germany (DE)

**Ordering**

Order Code US and Canada	XT1NE3032AFF000XXX
E-Number (Finland)	3640522
EAN	8015644013059
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	1.134 kg
Package Level 1 EAN	8015644013059

**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 2.1 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current ( $I_n$ )	32 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 ( $I_i$ )	450 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	22.4...32 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

