



PRODUCT-DETAILS

XT1N 160 TMD 32-450 3p F F

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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
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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	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
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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
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 ²
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
Rated Current (I _n)	32 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	450 A
Rated Insulation Voltage	800 V

(U _i)	
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
Rated Voltage (U _r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
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

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 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

