



PRODUCT-DETAILS

XT1N 160 TMD 32-450 4p F F

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General Information	
Extended Product Type	XT1N 160 TMD 32-450 4p F F
Product ID	1SDA067419R1
EAN	8015644013134
Catalog Description	XT1N 160 TMD 32-450 4p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A

ABB EcoSolutions	
ABB EcoSolutions	Yes
ABB Site Meeting Group Waste To Landfill Target	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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	f9bd9468-5125-4431-8584-a57b00bea951 Italy
Simplified SCIP	a6cdfadd-e966-4693-b691-e54ccb40925a Belgium a90c82eb-b939-4187-9eb5-541db46c0370 France b6e43b65-ba0d-4289-8c2f-fec23cb26b73 Spain e89f486c-28e2-4e40-bd40-34ee27366375 Germany 8fa8b81b-84ed-4353-a426-5d89492bd813 Czech Republic 325b21bf-6b47-47b3-876c-e43123a11e41 Germany d2dd1ec9-bc62-4226-9658-2220ad1a4204 Croatia 0b06b3b9-00c8-4421-b742-67fc2c9bb176 Germany 94dac7fb-2160-4d83-9374-1a7a08924203 Sweden 62f1a221-6a1a-4f97-abe6-478502816b25 Hungary ce10055e-1964-442f-b72a-c68b67c2495e Germany 0f806b46-eb93-46d8-9f3e-909ad906e508 Portugal 827ba498-b24a-4ade-a6d7-07aabe245409 Poland 23a869b6-9efb-4426-9fbd-0e9c66238e8b Poland 19c6c082-7a0f-43f7-b23f-76ec4a9f4e33 Bulgaria 998fabec-f3f1-423e-b293-941c68e3d327 France e03713e9-d8fa-4413-bef5-f80de83f8837 Germany 9ce5449e-6dec-4eb9-be25-3d0ebd8ac527 Greece d1ade6f7-8b28-4c13-b4f0-3911ee7648e8 Denmark 0db44ebf-bb02-44a7-a0ed-84a75cd1f43b Estonia 747672de-9ea5-4e0c-83bf-d44dc599a20d Belgium 1b40320d-ce6a-4bb7-bc0a-95aa81fae957 Hungary f22229db-3fe4-46e9-b7fc-51079f8a6102 Poland c01722b9-e994-42b1-a489-df33c5b0dbf2 Finland 3f871474-4709-46ac-a549-0741e68ce02d Netherlands 89f15a33-e498-4a1b-ba2a-67b747aa7a50 Norway 88a860a6-8abb-43a2-8500-84ad904739da Sweden

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1NE4032AFF000XXX
E-Number (Finland)	3640539
E-Number (Norway)	4379232
EAN	8015644013134
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth /	70 mm

Length

Product Net Weight	1.4 kg
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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	1.446 kg
Package Level 1 EAN	8015644013134

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	1SDH001295R0080

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	4P
Opening Time	CB with SOR 30 ms CB with UVR 30 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 (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
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

External Classifications and Standards

ETIM 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 10	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



Submitted by TLO Group