PRODUCT-DETAILS

XT1B 160 TMD 32-450 4p F F

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General Information

Extended Product Type	XT1B 160 TMD 32-450 4p F F
Product ID	1SDA066813R1
EAN	8015644694517
Catalog Description	XT1B 160 TMD 32-450 4p F F
Long Description	C.BREAKER TMAX XT1B 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
Extended Product Lifetime	Product Modularity

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Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Declaration	9AKK108466A1424
RoHS Information	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	12f3e9a1-02b0-4aa6-abdb-9b8bc21959ff Italy
Simplified SCIP	8b05e7f0-8aca-43b9-9959-578ad60d5f91 France 418ce194-6b00-45aa-ba3e-74bc34fece74 Netherlands ea50463a-3fca-48d4-9131-08d9ece555f5 Poland 8a9f6533-4900-49b4-945a-faaeb88bd6e0 Sweden f7ec28ab-1cfa-4164-941b-3294cbdc3860 Belgium ac229db7-d539-4af6-9d48-c290c4ed0678 Poland 720ff9fd-c349-4470-86d9-561c322a806d France d61bfad8-e7fd-46ec-9029-3bb11e829129 Sweden d41897ba-617b-4420-a157-6a6ce9d275c5 Hungary 3f6f7b53-7278-41d7-93e6-a2319db634f5 Germany 8cf4c0c6-fe84-4ba1-899d-e7d3bcbd404c Germany 4bbf3450-496f-4558-b7bf-1f8baed8f109 Poland de5d205b-6b1c-48c7-9b79-42c55543352d Norway 760038f9-957c-4585-a9f8-dabf40b987e3 Belgium d7ef0a9c-919e-4210-9795-593f3b217e01 Finland c53c18fa-5909-406b-b71b-d5ba989de281 Denmark cd96d07a-84e1-49c7-a63f-6b57c56ec3b3 Germany eb69dab5-c447-439f-a8b1-83e529902755 Greece 207c4f79-39de-424f-b8e3-94bd0855beb5 Germany 1d7cf903-8c08-4c96-b40f-c5f60fe8704d Estonia 3c14939a-f7cd-42ca-85a6-e5b98639318f Germany 06b8055d-6448-4ac1-b03f-ab76ceb1d30b Bulgaria fbc7e723-65b2-4a3a-b7ed-b549b6d58ffe Portugal 6f2ef006-5be9-4bce-9a55-1a51deef0d71 Czech Republic 7fb33876-e505-4e35-9baf-e8055dbc482e Spain 78275802-00a5-4e99-a816-f93471df2c4f Hungary c867a63f-c9c6-4606-82dc-954d21f733fb Croatia

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1BE4032AFF000XXX
E-Number (Finland)	3640506
E-Number (Norway)	4309703
EAN	8015644694517
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

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Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.4 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	1.441 kg
Package Level 1 EAN	8015644694517

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	(220 V AC) 25 kA (230 V AC) 25 kA

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Capacity (I_{cs})	(240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 11.25 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 15 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 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	B
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

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Object Classification Code	Q
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







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