PRODUCT-DETAILS

XT1B 160 TMD 40-450 3p F F

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General Information

Extended Product Type	XT1B 160 TMD 40-450 3p F F
Product ID	1SDA066803R1
EAN	8015644003302
Catalog Description	XT1B 160 TMD 40-450 3p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 40-450 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	5cab19a8-a211-40c5-bc9a-598007736c08 Italy
Simplified SCIP	abcf1fa6-993f-40bd-948e-7031a129c6fd Spain 2909f5f6-ef26-4852-a421-00343f2a1bf8 Belgium 235f26cb-78ea-4142-86a8-40c6d9269936 Czech Republic b696f5da-3bb1-4927-8e16-fbeb5af0d012 Hungary d0e32a4a-d6ae-4037-9851-caecdc49d0d1 France bb77a6d6-2708-474c-9f92-8318a5904431 Germany 617944fc-cc3f-4139-be4e-7081dda306fe Sweden 55adadea-3c4a-42ca-8e5b-951e0b147e82 Germany a7a3ee97-4148-4339-8171-d93ccb74797e Denmark f9f02b49-3f65-40ed-8d49-47307e1ed2cc Germany 67490311-ba58-4d42-b7a3-a1906ce91f7d Germany f99a2448-1391-42bf-a0b1-c2bc741303dd Croatia edb092a4-db53-4f4d-ac32-e7197c9fc30f Sweden 29bd069c-9cf7-451d-a67b-e19c26a6024f Netherlands 52315325-7b94-42a9-a354-6b77d2f4ecb3 Poland 8a890085-a4df-4f26-8327-093b43f9d1c2 Bulgaria f66a5efb-a803-42ba-866b-e1fecc118301 Norway 6133c899-40e7-4adc-8cd3-cfd3163257c9 Germany c6867efd-1d68-44fd-830a-c3cbfac0122a Portugal 8650c8bf-2467-49e7-9e5a-2a12ae456925 Poland bad829f3-7ca9-408f-b042-c31ab585e58e Greece c3fa5ce2-5f63-4b2e-a6c1-0b728aa19a97 France afa820e1-182b-4046-a65a-c721fbd0877f Estonia f2d51ade-ddb7-40d4-bc3f-bf975ca32912 Belgium 00ad4c8c-baf2-406d-aec8-f7ce17297da9 Hungary ecb413a7-766a-4b40-8eef-164b819c6b12 Poland 241539ed-acf4-4841-92dd-cb32075995b6 Finland

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1BE3040AFF000XXX
E-Number (Finland)	3638025
E-Number (Norway)	4309604
EAN	8015644003302
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

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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	1.124 kg
Package Level 1 EAN	8015644003302

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	3P
Opening Time	CB with SOR 30 ms CB with UVR 30 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 2.6 W
Rated Current (I_n)	40 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	28...40 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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