



PRODUCT-DETAILS

XT1C 160 TMD 100-1000 4p F F

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General Information

Extended Product Type	XT1C 160 TMD 100-1000 4p F F
Product ID	1SDA067406R1
EAN	8015644013004
Catalog Description	XT1C 160 TMD 100-1000 4p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A

ABB EcoSolutions

ABB EcoSolutions	Yes
ABB Site Meeting Group	UL 2799 Zero Waste To Landfill Validation available
Waste To Landfill Target	
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	da49dad4-480c-4f06-80f0-cd599ef1b7aa Italy
Simplified SCIP	6efdd2b3-e81d-41ec-a647-e68cc31c3502 Germany 705a7500-cbe2-4d52-917d-29a8d5373919 France 743664cf-05ce-48f9-a3ec-ff25001e37b1 Sweden 76eead2b-3cd8-45ee-bcba-3530761e835f Germany d57f62ee-822b-4bd6-90fd-3bf5a27acd7d Germany 5f74ff1f-d085-4f28-a052-f1095ed23de7 France 4aa58036-a8fd-4d83-9f97-ff4f7d86b259 Netherlands 72db3925-868b-4d16-b83f-595bd37d59b8 Greece 741df328-7b0d-4ff4-abb5-5a7e711ea4fa Portugal 2faeb391-4bfc-41c3-8e71-ca8d89c22975 Bulgaria 4d1aac7f-f66f-4e2c-a446-3a76f09c672a Sweden 6b5e80d6-a9f4-4676-b845-0cc88058e8f3 Poland 705a7500-cbe2-4d52-917d-29a8d5373919 France 743664cf-05ce-48f9-a3ec-ff25001e37b1 Sweden 004222ab-c438-4427-925b-78489af46d49 Spain 0a90e1dd-c1b1-4a12-9a78-90059348c60f Poland 4b8fb4d7-d4d8-4fb8-94c2-f8845681106a Norway 460acca6-ec75-4def-a6a4-f3ae1b7675aa Finland 17f351c1-47cf-429b-9542-7013a9b2edf1 Netherlands 2e473234-1208-40fa-bdf4-1aa23ee065b9 Germany b45e24c0-818e-4d37-93f5-b37224523c13 Denmark ec8003af-31ef-4cc7-8151-e07d926bd4b3 Germany 9d227499-ea95-4bba-83cd-5bba80cadc32 Croatia eb5428f3-528c-4ae3-be1d-db700c336cbc Czech Republic 8e1765d9-d7ff-4eb5-b403-aa51bc12072d Poland 8a86768b-c3b0-421d-ae89-5f80adb4a32e Netherlands 8bb8ce58-b1ae-49ac-8c67-d9ca79387598 Netherlands fa685aaf-df7a-4eb3-a07f-013d2c2e108a Estonia 0a90e1dd-c1b1-4a12-9a78-90059348c60f Poland 4b8fb4d7-d4d8-4fb8-94c2-f8845681106a Norway 460acca6-ec75-4def-a6a4-f3ae1b7675aa Finland 17f351c1-47cf-429b-9542-7013a9b2edf1 Netherlands 2e473234-1208-40fa-bdf4-1aa23ee065b9 Germany b45e24c0-818e-4d37-93f5-b37224523c13 Denmark ec8003af-31ef-4cc7-8151-e07d926bd4b3 Germany 9d227499-ea95-4bba-83cd-5bba80cadc32 Croatia eb5428f3-528c-4ae3-be1d-db700c336cbc Czech Republic 8e1765d9-d7ff-4eb5-b403-aa51bc12072d Poland 8a86768b-c3b0-421d-ae89-5f80adb4a32e Netherlands 8bb8ce58-b1ae-49ac-8c67-d9ca79387598 Netherlands fa685aaf-df7a-4eb3-a07f-013d2c2e108a Estonia 741df328-7b0d-4ff4-abb5-5a7e711ea4fa Portugal 76eead2b-3cd8-45ee-bcba-3530761e835f Germany d57f62ee-822b-4bd6-90fd-3bf5a27acd7d Germany 5f74ff1f-d085-4f28-a052-f1095ed23de7 France 4aa58036-a8fd-4d83-9f97-ff4f7d86b259 Netherlands 004222ab-c438-4427-925b-78489af46d49 Spain f755a92e-15fa-45a1-a648-cef15c663aca Netherlands 72db3925-868b-4d16-b83f-595bd37d59b8 Greece 2faeb391-4bfc-41c3-8e71-ca8d89c22975 Bulgaria 4d1aac7f-f66f-4e2c-a446-3a76f09c672a Sweden f755a92e-15fa-45a1-a648-cef15c663aca Netherlands 6b5e80d6-a9f4-4676-b845-0cc88058e8f3 Poland

Environmental	
Environmental Information	9AKK108467A6707

Ordering	
Order Code US and	XT1CE4100AFF000XXX

Canada	
E-Number (Finland)	3640509
E-Number (Norway)	4309717
EAN	8015644013004
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

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	1.438 kg
Package Level 1 EAN	8015644013004

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 7 W
Rated Current (I_n)	100 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_s)	1000 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) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 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	70...100 A
Short-Circuit Performance Level	C
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 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)

Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

