

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
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Circular Value

Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available
Toxic Substances Control Act - TSCA	9AKK108467A8326

Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890
	9AKK108468A7793

Environmental

Environmental Information	9AKK108467A6707
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	da49dad4-480c-4f06-80f0-cd599ef1b7aa Italy (IT)
Simplified SCIP	705a7500-cbe2-4d52-917d-29a8d5373919 France (FR) 743664cf-05ce-48f9-a3ec-ff25001e37b1 Sweden (SE) 76eead2b-3cd8-45ee-bcba-3530761e835f Germany (DE) d57f62ee-822b-4bd6-90fd-3bf5a27acd7d Germany (DE) 5f74ff1f-d085-4f28-a052-f1095ed23de7 France (FR) 4aa58036-a8fd-4d83-9f97-ff4f7d86b259 Netherlands (NL) 72db3925-868b-4d16-b83f-595bd37d59b8 Greece (GR) 741df328-7b0d-4ff4-abbb-5a7e711ea4fa Portugal (PT) 2faeb391-4bfc-41c3-8e71-ca8d89c22975 Bulgaria (BG) 4d1aac7f-f66f-4e2c-a446-3a76f09c672a Sweden (SE) 6b5e80d6-a9f4-4676-b845-0cc88058e8f3 Poland (PL) 705a7500-cbe2-4d52-917d-29a8d5373919 France (FR) 743664cf-05ce-48f9-a3ec-ff25001e37b1 Sweden (SE) 004222ab-c438-4427-925b-78489af46d49 Spain (ES) 0a90e1dd-c1b1-4a12-9a78-90059348c60f Poland (PL) 4b8fb4d7-d4d8-4fb8-94c2-f8845681106a Norway (NO) 460acca6-ec75-4def-a6a4-f3ae1b7675aa Finland (FI) 17f351c1-47cf-429b-9542-7013a9b2edf1 Netherlands (NL) 2e473234-1208-40fa-bdf4-1aa23ee065b9 Germany (DE) b45e24c0-818e-4d37-93f5-b37224523c13 Denmark (DK) ec8003af-31ef-4cc7-8151-e07d926bd4b3 Germany (DE) 9d227499-ea95-4bba-83cd-5bba80cadc32 Croatia (HR) eb5428f3-528c-4ae3-be1d-db700c336cbc Czech Republic (CZ) 8e1765d9-d7ff-4eb5-b403-aa51bc12072d Poland (PL) 8a86768b-c3b0-421d-ae89-5f80adb4a32e Netherlands (NL) 8bb8ce58-b1ae-49ac-8c67-d9ca79387598 Netherlands (NL) fa685aaf-df7a-4eb3-a07f-013d2c2e108a Estonia (EE) 0a90e1dd-c1b1-4a12-9a78-90059348c60f Poland (PL) 4b8fb4d7-d4d8-4fb8-94c2-f8845681106a Norway (NO) 460acca6-ec75-4def-a6a4-f3ae1b7675aa Finland (FI) 17f351c1-47cf-429b-9542-7013a9b2edf1 Netherlands (NL) 2e473234-1208-40fa-bdf4-1aa23ee065b9 Germany (DE) b45e24c0-818e-4d37-93f5-b37224523c13 Denmark (DK) ec8003af-31ef-4cc7-8151-e07d926bd4b3 Germany (DE) 9d227499-ea95-4bba-83cd-5bba80cadc32 Croatia (HR) eb5428f3-528c-4ae3-be1d-db700c336cbc Czech Republic (CZ) 8e1765d9-d7ff-4eb5-b403-aa51bc12072d Poland (PL) 8a86768b-c3b0-421d-ae89-5f80adb4a32e Netherlands (NL) 8bb8ce58-b1ae-49ac-8c67-d9ca79387598 Netherlands (NL) fa685aaf-df7a-4eb3-a07f-013d2c2e108a Estonia (EE) 741df328-7b0d-4ff4-abbb-5a7e711ea4fa Portugal (PT) 76eead2b-3cd8-45ee-bcba-3530761e835f Germany (DE) d57f62ee-822b-4bd6-90fd-3bf5a27acd7d Germany (DE) 5f74ff1f-d085-4f28-a052-f1095ed23de7 France (FR) 4aa58036-a8fd-4d83-9f97-ff4f7d86b259 Netherlands (NL) 004222ab-c438-4427-925b-78489af46d49 Spain (ES) f755a92e-15fa-45a1-a648-cef15c663aca Netherlands (NL) 72db3925-868b-4d16-b83f-595bd37d59b8 Greece (GR) 2faeb391-4bfc-41c3-8e71-ca8d89c22975 Bulgaria (BG) 4d1aac7f-f66f-4e2c-a446-3a76f09c672a Sweden (SE) f755a92e-15fa-45a1-a648-cef15c663aca Netherlands (NL) 6b5e80d6-a9f4-4676-b845-0cc88058e8f3 Poland (PL)

Ordering

Order Code US and Canada	XT1CE4100AFF000XXX
E-Number (Finland)	3640509

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
Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	4
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	100 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U_r)	690 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	1000 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) 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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	70...100 A
Short-Circuit Performance Level	C
Standards	IEC
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0080

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 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
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

