



PRODUCT-DETAILS

XT1N 160 TMD 100-1000 4p F F

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General Information	
Extended Product Type	XT1N 160 TMD 100-1000 4p F F
Product ID	1SDA067424R1
EAN	8015644013189
Catalog Description	XT1N 160 TMD 100-1000 4p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
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
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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	4401e43e-a249-4a4b-ba52-a079195db9cf Italy (IT)
Simplified SCIP	63d67e0e-cf2e-4faa-9d7c-e3c4592e53e0 Germany (DE) 6b8f816b-59d2-44b8-8174-40927c1b8bc9 Poland (PL) 3a4a5c7c-3a59-4d2f-8e2c-45b5931fd4cd Norway (NO) 2f46df39-ecc7-493b-8d24-aa1d4eb7361e Finland (FI) 56a53c3d-5fba-4bfb-afb7-a80511348d77 Netherlands (NL) 1a49fbd9-2bbd-4bd1-ad78-0311daec936f Germany (DE) 1a8909ca-8bb3-437e-88e5-1a560dc1d1c6 Denmark (DK) e1ae1e28-bdd3-4156-8409-8c4c6f1ab7af Germany (DE) af8330aa-3652-4267-bc90-7266dd0c1e1a Croatia (HR) 3d746002-bde9-4d00-88b3-76450c9853cb Czech Republic (CZ) 2fd6d8c8-642d-4c21-b434-eee54d9758f8 Poland (PL) af9d645e-cd95-4333-8027-84c95c0abb7f Netherlands (NL) 8c8301a1-0ffe-4eec-8d73-37e842c2a378 Netherlands (NL) 0310daf7-b8b3-4d0c-b9a8-ba80d42e6208 Estonia (EE) 7585c7d1-ed6a-4cc0-8838-5f12f60a09a4 Greece (GR) c6baa4ec-b9a7-4b04-91b8-24a9c639b53d Portugal (PT) e727e25f-11c1-4d37-83da-540218a97d0b Germany (DE) 574999c2-1124-4506-9eb3-b342ecad0e7b Germany (DE) dbc7ac2f-d679-45dc-90a6-2c27af8a078e France (FR) 88e47e46-97a8-4bbb-8328-19def8906010 Netherlands (NL) 6b8f816b-59d2-44b8-8174-40927c1b8bc9 Poland (PL) 3a4a5c7c-3a59-4d2f-8e2c-45b5931fd4cd Norway (NO) 2f46df39-ecc7-493b-8d24-aa1d4eb7361e Finland (FI) 56a53c3d-5fba-4bfb-afb7-a80511348d77 Netherlands (NL) 1a49fbd9-2bbd-4bd1-ad78-0311daec936f Germany (DE) 1a8909ca-8bb3-437e-88e5-1a560dc1d1c6 Denmark (DK) e1ae1e28-bdd3-4156-8409-8c4c6f1ab7af Germany (DE) 323cb723-7bdd-4cb9-b3fd-8874aa056f28 Spain (ES) c6e4b63c-c4c8-41bf-93da-88220855d9ab Netherlands (NL) 00d7e528-f18a-4590-8fc6-b17379aa431f Bulgaria (BG) 35404e3d-3aa6-4ab2-b8df-aeac6c577711 Sweden (SE) c6e4b63c-c4c8-41bf-93da-88220855d9ab Netherlands (NL) 5e50d806-9069-4544-a983-28a57e828a0a Poland (PL) 8a69bfd9-3251-4aeb-80df-d5c3e0be72e0 France (FR) 78654af8-aacd-4298-9657-78ffc865f3fe Sweden (SE) e727e25f-11c1-4d37-83da-540218a97d0b Germany (DE) 574999c2-1124-4506-9eb3-b342ecad0e7b Germany (DE) dbc7ac2f-d679-45dc-90a6-2c27af8a078e France (FR) 88e47e46-97a8-4bbb-8328-19def8906010 Netherlands (NL) 323cb723-7bdd-4cb9-b3fd-8874aa056f28 Spain (ES) af8330aa-3652-4267-bc90-7266dd0c1e1a Croatia (HR) 3d746002-bde9-4d00-88b3-76450c9853cb Czech Republic (CZ) 2fd6d8c8-642d-4c21-b434-eee54d9758f8 Poland (PL) af9d645e-cd95-4333-8027-84c95c0abb7f Netherlands (NL) 8c8301a1-0ffe-4eec-8d73-37e842c2a378 Netherlands (NL) 0310daf7-b8b3-4d0c-b9a8-ba80d42e6208 Estonia (EE) 7585c7d1-ed6a-4cc0-8838-5f12f60a09a4 Greece (GR) c6baa4ec-b9a7-4b04-91b8-24a9c639b53d Portugal (PT) 00d7e528-f18a-4590-8fc6-b17379aa431f Bulgaria (BG) 35404e3d-3aa6-4ab2-b8df-aeac6c577711 Sweden (SE) 5e50d806-9069-4544-a983-28a57e828a0a Poland (PL) 8a69bfd9-3251-4aeb-80df-d5c3e0be72e0 France (FR) 78654af8-aacd-4298-9657-78ffc865f3fe Sweden (SE)

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**Ordering**


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Order Code US and Canada	XT1NE4100AFF000XXX
E-Number (Finland)	3640533
E-Number (Sweden)	3182448
EAN	8015644013189
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

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**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

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**Container Information**


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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	1.467 kg
Package Level 1 EAN	8015644013189

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**Additional Information**


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Circuit Breaker Type to be Associated	Power Distribution
Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm <sup>2</sup>
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 ( $I_s$ )	1000 A
Rated Insulation Voltage ( $U_i$ )	800 V
Rated Operational Voltage	690 V AC 500 V DC

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Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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 <sub>cu</sub> )	(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 <sub>u</sub> )	160 A
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	70...100 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
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)

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## Categories

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

