



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
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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
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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) 1a49fbdb-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) 1a49fbdb-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) 8a69bfda-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) 8a69bfda-3251-4aeb-80df-d5c3e0be72e0 France (FR) 78654af8-aacd-4298-9657-78ffc865f3fe Sweden (SE)

Ordering	
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

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	1.467 kg
Package Level 1 EAN	8015644013189

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_l)	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) 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
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(500 V DC) 3 Poles in Series 36 kA
	(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 _u)	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)

Categories

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

