



PRODUCT-DETAILS

XT1N 160 TMD 125-1250 3p F F

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General Information	
Extended Product Type	XT1N 160 TMD 125-1250 3p F F
Product ID	1SDA067417R1
EAN	8015644013110
Catalog Description	XT1N 160 TMD 125-1250 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 125-1250 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

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	a017b995-7677-4032-97d0-70955e42da44 Italy
Simplified SCIP	1674f522-863e-4b10-9b22-1392e649868f Germany 1016c0d9-6b2f-4541-9731-ae5e514b612c Poland edbc41b2-977e-4e62-bf57-c577ff37b752 Norway 8fc64a28-bf02-4bab-816f-7f1ea8cfd665 Finland 43a45886-4e27-4a3e-ac1b-8b1e0104ca73 Netherlands 4fcbf66a-4b6b-46af-ac6f-59cb9aa340de Germany 9e0ae2d2-e0b9-4228-be20-f5c865206c7c Denmark 20885196-3e38-4106-9f6c-8d28627c13b2 Germany 343aaf43-b98c-4a34-9ed6-a9b69238da5b Germany 2c159a70-312e-4644-b3d1-94e378e10a86 Germany 809033fa-336d-4222-bc6d-effdad3dc5cf France 2aeb223c-861a-44a1-a400-158a4cdeb813 Croatia 22571705-23bb-4a04-b01e-c24dd2ed0c42 Czech Republic b2a78f6a-a79e-40fa-a74c-1288ca44ffc3 Poland 1237e344-5721-4e92-ba26-495240e92ab2 Netherlands afa7cc49-fb95-4dcf-b06f-b5ca40347ffd Netherlands a80945a7-a1d7-4591-a902-0d7f35f16fdf Estonia e85dc33f-4046-4d61-a81c-b669d5302bcc Greece 996e3faf-cb89-42ac-936a-470cbacce407 Portugal 343aaf43-b98c-4a34-9ed6-a9b69238da5b Germany 2c159a70-312e-4644-b3d1-94e378e10a86 Germany 809033fa-336d-4222-bc6d-effdad3dc5cf France 0444e024-95d5-44cc-bb85-a31adfd5c119 Netherlands ee5df21b-fa7d-489e-a92d-46638bb22341 Spain 446e2120-ac60-44e4-aae9-f4f832038592 Netherlands de89bfae-43b5-4256-924a-7387070e4c4f Bulgaria 8c45bbc7-0bae-4794-b9f3-2952b5b9fe76 Sweden 446e2120-ac60-44e4-aae9-f4f832038592 Netherlands b24cbc91-fe23-4da5-8766-52ace4f2b836 Poland dbfc548b-8fe0-4a7b-9c71-47814e8b77cf France 3155e223-d2f5-457b-ad5a-bf70d2814bc8 Sweden 0444e024-95d5-44cc-bb85-a31adfd5c119 Netherlands ee5df21b-fa7d-489e-a92d-46638bb22341 Spain 1016c0d9-6b2f-4541-9731-ae5e514b612c Poland edbc41b2-977e-4e62-bf57-c577ff37b752 Norway 8c45bbc7-0bae-4794-b9f3-2952b5b9fe76 Sweden b24cbc91-fe23-4da5-8766-52ace4f2b836 Poland dbfc548b-8fe0-4a7b-9c71-47814e8b77cf France 3155e223-d2f5-457b-ad5a-bf70d2814bc8 Sweden 8fc64a28-bf02-4bab-816f-7f1ea8cfd665 Finland 43a45886-4e27-4a3e-ac1b-8b1e0104ca73 Netherlands 4fcbf66a-4b6b-46af-ac6f-59cb9aa340de Germany 9e0ae2d2-e0b9-4228-be20-f5c865206c7c Denmark 20885196-3e38-4106-9f6c-8d28627c13b2 Germany 2aeb223c-861a-44a1-a400-158a4cdeb813 Croatia 22571705-23bb-4a04-b01e-c24dd2ed0c42 Czech Republic b2a78f6a-a79e-40fa-a74c-1288ca44ffc3 Poland 1237e344-5721-4e92-ba26-495240e92ab2 Netherlands afa7cc49-fb95-4dcf-b06f-b5ca40347ffd Netherlands a80945a7-a1d7-4591-a902-0d7f35f16fdf Estonia e85dc33f-4046-4d61-a81c-b669d5302bcc Greece 996e3faf-cb89-42ac-936a-470cbacce407 Portugal de89bfae-43b5-4256-924a-7387070e4c4f Bulgaria

Environmental	
Environmental Information	9AKK108467A6707

Ordering	
E-Number (Finland)	3640520
E-Number (Norway)	4379209
E-Number (Sweden)	3182428
EAN	8015644013110
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions	
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	1.141 kg
Package Level 1 EAN	8015644013110

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 10.7 W
Rated Current (I_n)	125 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	1250 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 (500 V DC) 3 Poles in Series 36 kA
Rated Ultimate Short- Circuit Breaking Capacity (I_{cu})	(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
Rated Voltage (U_r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	87.5...125 A
Short-Circuit Performance Level	N
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	1SDC210100D0206

Information	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
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

Robotics → Service → Spares and Consumables → Parts

Robotics → Service → Spares and Consumables

