



 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
Display Name:	XT1N 160 TMD 125-1250 3p F F

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 Czechia
 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 Czechia
 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 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 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

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
1SDA066305R1	ADP MONT. FIXED TERM. x PF XT1 3p	ADP MONT. FIXED TERM. x PF XT1 3p	1	piece
1SDA132710R1	1/2KIT ADP MONT. FIXED TERM. x PF XT1 3p	1/2KIT ADP MONT. FIXED TERM. x PF XT1 3p	1	piece
1SDA066865R1	KIT EF XT1 3pcs	KIT EF XT1 3pcs	1	piece
1SDA066867R1	KIT EF XT1 6pcs	KIT EF XT1 6pcs	1	piece
1SDA066260R1	KIT EF FP XT1 3pcs	KIT EF FP XT1 3pcs	1	piece
1SDA066889R1	KIT ES XT1 3pcs	KIT ES XT1 3pcs	1	piece
1SDA066891R1	KIT ES XT1 6pcs	KIT ES XT1 6pcs	1	piece
1SDA066957R1	KIT FB XT1 3pcs	KIT FB XT1 3pcs	1	piece
1SDA066959R1	KIT FB XT1 6pcs	KIT FB XT1 6pcs	1	piece
1SDA066905R1	KIT FC Cu XT1 3pcs	KIT FC Cu XT1 3pcs	1	piece
1SDA066907R1	KIT FC Cu XT1 6pcs	KIT FC Cu XT1 6pcs	1	piece
1SDA067151R1	KIT FC CuAl 1x1,5...70mm2 XT1 3pcs	KIT FC CuAl 1x1,5...70mm2 XT1 3pcs	1	piece
1SDA067153R1	KIT FC CuAl 1x1,5...70mm2 XT1 6pcs	KIT FC CuAl 1x1,5...70mm2 XT1 6pcs	1	piece
1SDA067155R1	KIT FC CuAl 1x35...95mm2 XT1 3pcs	KIT FC CuAl 1x35...95mm2 XT1 3pcs	1	piece
1SDA067157R1	KIT FC CuAl 1x35...95mm2 XT1 6pcs	KIT FC CuAl 1x35...95mm2 XT1 6pcs	1	piece
1SDA067159R1	KIT FC CuAl 1x120...240mm2 XT1 3pcs +ADP	KIT FC CuAl 1x120...240mm2 XT1 3pcs +ADP	1	piece
1SDA067161R1	KIT FC CuAl 1x120...240mm2 XT1 6pcs +ADP	KIT FC CuAl 1x120...240mm2 XT1 6pcs +ADP	1	piece
1SDA066921R1	KIT MC CuAl 6x2.5...35mm2 XT1 3pcs	KIT MC CuAl 6x2.5...35mm2 XT1 3pcs	1	piece
1SDA066923R1	KIT MC CuAl 6x2.5...35mm2 XT1 6pcs	KIT MC CuAl 6x2.5...35mm2 XT1 6pcs	1	piece
1SDA066937R1	KIT R XT1 3pcs	KIT R XT1 3pcs	1	piece
1SDA066939R1	KIT R XT1 6pcs	KIT R XT1 6pcs	1	piece
1SDA066664R1	HTC XT1 3p TERMINAL COVERS HIGH 2pcs	HTC XT1 3p TERMINAL COVERS HIGH 2pcs	1	piece
1SDA132545R1	MTC XT1 3p TERMINAL COVERS MEDIUM	MTC XT1 3p TERMINAL COVERS MEDIUM	1	piece
1SDA066655R1	LTC XT1 3p TERMINAL COVERS LOW 2pcs	LTC XT1 3p TERMINAL COVERS LOW 2pcs	1	piece

Identifier	Description	Type	Qty	Unit Of Measure
1SDA068954R1	PB 90mm FP 6pcs XT1..XT4 4p KIT DI.PH.RE	PB 90mm FP 6pcs XT1..XT4 4p KIT DI.PH.RE	1	piece
1SDA066652R1	KIT DIN50022 XT1 3p PLATE DIN	KIT DIN50022 XT1 3p PLATE DIN	1	piece
1SDA066268R1	KIT R FP XT1 3pcs	KIT R FP XT1 3pcs	1	piece
1SDA067122R1	RC Inst HV 85...690Vac XT1 3p F	RC Inst HV 85...690Vac XT1 3p F	1	piece
1SDA067123R1	RC Sel HV 85...690Vac XT1 3p F	RC Sel HV 85...690Vac XT1 3p F	1	piece

Categories

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

