



PRODUCT-DETAILS

# XT1C 160 TMD 100-1000 3p F F

## XT1C 160 TMD 100-1000 3p F F



General Information	
Extended Product Type:	XT1C 160 TMD 100-1000 3p F F
Product ID:	1SDA067397R1
EAN:	8015644012915
Catalog Description:	XT1C 160 TMD 100-1000 3p F F
Long Description:	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A
Display Name:	XT1C 160 TMD 100-1000 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

<b>REACH Declaration:</b>	9AKK108466A1425
<b>RoHS Declaration:</b>	9AKK108466A1424
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108467A5658
<b>Toxic Substances Control Act - TSCA:</b>	9AKK108467A8326
<b>SCIP:</b>	9965ca99-affa-4173-b6ec-86c5b94f7e15 Italy
<b>Simplified SCIP:</b>	0baf7834-5c1e-4ab6-92f8-fe1c0c18d111 Germany 690bbaca-e914-49b1-b061-fadc8cb41754 Netherlands 1d9c93da-ce2a-496b-963a-5aa10a5952ea Netherlands faccd3ac-7bd6-452b-b339-f3e8650b7ed7 Germany 3971316a-abb7-4fb7-a3a4-b645aa241259 Denmark adf816cc-8afa-408f-b37f-84d38645b9ce Germany f57e9c1b-e394-43c6-92b6-24992fec4513 Croatia a23327a4-9935-4203-a9d5-741ba39df896 Czechia b8b0676f-7b3e-4d5c-aa3c-7b6ebfe5bc3e Netherlands 678300f8-eed0-4b74-8804-18f219da3ae0 Netherlands 2d166b04-bfde-406d-ae1b-a2d4f9a45c1f Estonia 769c0bf8-bb50-4b05-90d1-f148493e2e93 Greece c22885d-c4e3-48f8-aa94-67f29ec03c2e Portugal 0fa0c29c-f77e-4742-bd29-9f67a5dd58e7 Bulgaria 3a1ec757-f5bc-4fe2-a796-b80d5848b865 Sweden 3380a59b-f15a-4f8b-8fe2-54d228c70377 Poland 25e84eae-96f0-42ce-9d7d-9dfb5f5ce2a5 France dafbc307-d434-4abc-8c03-c64d3fc1c333 Sweden 3b414454-d89f-4090-bb59-470a3c7330ea Germany 59695450-664d-4372-9510-6f5c4ac5ad03 Germany 35ec2353-58cd-472a-b909-85aa064a6204 Spain 95a1642c-9a73-4d2e-8a1b-c20ad5fc8a6c Netherlands 5ec14cea-f544-4faa-ab16-fd3819a27732 Poland ca56bfe2-177d-4ed2-a416-d34db5ca5989 Poland 37ce67d3-3a1a-4ca0-b8ae-7bf5eec07bd9 Finland 3f937e08-97bb-4c73-ac98-fbbab57d1a84 Norway b394e0ce-ed58-41d4-9e52-9fc27c75e4e8 France

## Environmental

**Environmental Information:** 9AKK108467A6707

## Ordering

<b>Order Code US and Canada:</b>	XT1CE3100AFF000XXX
<b>E-Number (Finland):</b>	3638777
<b>E-Number (Norway):</b>	4309617
<b>EAN:</b>	8015644012915
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85362090

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## Dimensions

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Product Net Width:	76.2 mm
Product Net Height:	130 mm
Product Net Depth / Length:	70 mm
Product Net Weight:	1.1 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:	1.136 kg
Package Level 1 EAN:	8015644012915

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## Additional Information

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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

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## Technical

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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:	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 7 W
Rated Current (I <sub>n</sub> ):	100 A
Rated Frequency (f):	50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	8 kV

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**Rated Instantaneous Short-Circuit Current** 1000 A

**Setting (I<sub>i</sub>):**

<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	800 V
<b>Rated Operational Voltage:</b>	690 V AC 500 V DC
<b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>	(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
<b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b>	(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
<b>Rated Uninterrupted Current (I<sub>u</sub>):</b>	160 A
<b>Rated Voltage (U<sub>r</sub>):</b>	690 V
<b>Recommended Screw Driver:</b>	Main Circuit M6
<b>Release:</b>	TMD
<b>Release Type:</b>	TM
<b>Setting Range:</b>	70...100 A
<b>Short-Circuit Performance Level:</b>	C
<b>Standards:</b>	IEC60947-2
<b>Sub-type:</b>	XT1
<b>Terminal Connection Type:</b>	Front
<b>Terminal Type:</b>	Bolt
<b>Tightening Torque:</b>	6 N·m

**Certificates and Declarations**

<b>ATEX Certificate:</b>	No certification needed
<b>Data Sheet, Technical Information:</b>	1SDC210100D0206 1SDC210099D0206
<b>Declaration of Conformity - CE:</b>	9AKK106713A5532
<b>GL Certificate:</b>	1SDL000163R0103
<b>LR Certificate:</b>	1SDL000163R0100
<b>UL Certificate:</b>	No certification needed
<b>VDE Certificate:</b>	No certification needed
<b>Dimension Diagram:</b>	1SDH000719R0100
<b>Mechanical Drawings:</b>	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. PF XT1 3p	xADP MONT. FIXED TERM. PF XT1 3p	x1	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
1SDA066655R1	LTC XT1 3p TERMINAL COVERS LOW 2pcs	LTC XT1 3p TERMINAL COVERS LOW 2pcs	1	piece
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

