



PRODUCT-DETAILS

# XT1C 160 TMD 50-500 3p F F

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## General Information

<b>Extended Product Type:</b>	XT1C 160 TMD 50-500 3p F F
<b>Product ID:</b>	1SDA067394R1
<b>EAN:</b>	8015644695194
<b>Catalog Description:</b>	XT1C 160 TMD 50-500 3p F F
<b>Long Description:</b>	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A
<b>Display Name:</b>	XT1C 160 TMD 50-500 3p F F

## ABB EcoSolutions

<b>ABB EcoSolutions:</b>	Yes
<b>ABB Site Meeting Group Waste To Landfill Target:</b>	UL 2799 Zero Waste To Landfill Validation available
<b>End Of Life Disassembling Instructions:</b>	9AKK108468A2347
<b>Environmental Product Declaration - EPD:</b>	9AKK108468A1890 9AKK108468A7793
<b>Extended Product Lifetime:</b>	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>	6963f79e-5b3e-491f-8111-ed51582b95f5 Italy
<b>Simplified SCIP:</b>	03623cf1-c0d9-4f9d-a987-0129b1b5c4e3 Germany 0b897293-8966-400d-85d3-3adb67e5645e Netherlands 788f7ce1-ce81-46b1-b516-e8a1a5810a29 Netherlands aa1def39-a5e1-402c-a7fb-1f69c65bf0cf Germany 75a37be3-c5f2-48d2-921c-196f3e715fbb Denmark 2b729765-22b2-414d-96db-c45c85b86b34 Germany 73e3b539-3241-4e7c-b2e3-a271a8580cce Croatia f266fe7c-cd54-450c-984b-762ab9f9b7b5 Czechia 01bac839-3a95-4abc-9842-01bf939126de Netherlands 6d189084-7c30-4847-b66c-12452df5457e Netherlands afbc9104-3742-44d7-8a17-ef24c66adf7e Estonia fa14a73d-5be7-45d6-bea7-eef52df9a461 Greece c090809c-f591-4fd0-8f91-3f7005422d41 Portugal 8c6a9e39-4f7d-4d91-a84a-7c5fae9fab39 Bulgaria a751af1f-ba16-4b16-bae1-88bd49a124fd Sweden 189d8f20-fd0b-4ae9-9160-02cedac39911 Poland dfa00889-9143-4640-beda-7b68e77263b4 France e2a75877-0b3c-423d-a60d-9205fd4b7277 Sweden 2ba6904a-b275-40a0-a662-5277d2f0e712 Germany dbbe5839-4af6-41b6-a0d9-d91eb8454cb5 Germany b8b8214a-1d31-430b-aa6b-829d2c2e0845 Spain 30e0bf90-1472-4e80-9b14-b35167a34379 Netherlands 3fc61ee0-7133-460e-943f-e79dba217b6d Poland 5e5400ef-76f0-49e1-9aff-19542ffb47e1 Poland 1bc8a6dc-76f2-4cd5-8b92-6cd0b382a8e5 Finland 46710f5a-a1b8-4e6f-92eb-28c07b84c61b Norway ecb4dd9f-7134-4b06-9ce6-ba53c0aceabe France

## Environmental

<b>Environmental Information:</b>	9AKK108467A6707
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## Ordering

<b>Order Code US and Canada:</b>	XT1CE3050AFF000XXX
<b>E-Number (Finland):</b>	3638609
<b>E-Number (Norway):</b>	4309614
<b>EAN:</b>	8015644695194
<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:	1.12 kg
Package Level 1 EAN:	8015644695194

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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 3.7 W
Rated Current (I <sub>n</sub> ):	50 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** 500 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>	35...50 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

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## 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 1 3p F		piece

## Categories

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

