



PRODUCT-DETAILS

# XT1C 160 TMD 160-1600 3p F F

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### General Information

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<b>Extended Product Type:</b>	XT1C 160 TMD 160-1600 3p F F
<b>Product ID:</b>	1SDA067399R1
<b>EAN:</b>	8015644012939
<b>Catalog Description:</b>	XT1C 160 TMD 160-1600 3p F F
<b>Long Description:</b>	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A
<b>Display Name:</b>	XT1C 160 TMD 160-1600 3p F F

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### ABB EcoSolutions

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<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>	0d8bc7a2-0b2f-4c4e-b0d2-ae3184d07c12 Italy
<b>Simplified SCIP:</b>	2d38a763-4edd-4ec0-852e-8a7e7d01b167 Germany ab107f86-ac30-4f6a-a6bf-c4d8c77a0fd2 France 4ce86c8a-88a3-4668-b9fe-6d159b3b770c Poland 2b6d4e8f-9999-4183-a923-afbb4bdcec78 Finland 1b141b21-8bef-4f72-8f3e-ddd51c5ec259 Norway 974eeae4-e997-42f0-aa0d-58883071678c Netherlands c0df14b2-ce11-4e19-a2d5-72e2790aa9cc Netherlands b756e454-2ef3-4dc7-99e0-091b44577511 Germany 99c1470b-f1a5-48b0-8949-840c4be74894 Denmark e16d074d-620a-4ea1-8227-b05dc2e7d098 Germany dfb95055-9cf7-4ec6-b0e7-801c62ca7cc8 Croatia 9fc57840-b252-4713-8387-c3b5c39c2768 Czechia 56162500-c94b-403f-a284-3e358af29456 Netherlands 82077ecd-9e46-4ba5-85c7-22fd9245ee2d Netherlands df47e79a-6de1-4aa8-83e4-3b4ebc60686b Estonia 91ca0d03-e2ae-40be-88e0-e06a7b181f24 Greece 21de00c2-cdbb-4cc5-a139-d1e3d26dffcb Portugal 91902059-0a7b-46c8-9eda-6bb7beb04a2b Bulgaria 83cedd21-6566-49aa-bd8f-fa5be6b586dd Sweden 4f0c602c-433f-4412-8704-722fe1de2a92 Poland 1b963a22-3a58-43d0-94c5-819ab7622567 France 5489a759-29a8-46b8-a5c0-42d61d45ed5d Sweden b8e985c9-c29a-4e6d-a0f0-f79c981441a9 Germany 0a6e7309-6bb1-4725-9934-8c06601b79c0 Germany 3daf304a-39bc-447c-a8cd-0e009652dae7 Spain 4a0eb37f-875b-48f5-ad3a-e2fe91f042c6 Netherlands c8b2a3ef-2fdc-48b9-9068-d7b46a9d3213 Poland

## Environmental

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

<b>Order Code US and Canada:</b>	XT1CE3160AFF000XXX
<b>E-Number (Finland):</b>	3638779
<b>E-Number (Norway):</b>	4309619
<b>EAN:</b>	8015644012939
<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:	1.128 kg
Package Level 1 EAN:	8015644012939

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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 15 W
Rated Current (I <sub>n</sub> ):	160 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** 1600 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>	112...160 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 3p F	1	piece

## Categories

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

