



PRODUCT-DETAILS

# XT1C 160 TMD 40-450 3p F F

## XT1C 160 TMD 40-450 3p F F



General Information	
Extended Product Type:	XT1C 160 TMD 40-450 3p F F
Product ID:	1SDA067393R1
EAN:	8015644012175
Catalog Description:	XT1C 160 TMD 40-450 3p F F
Long Description:	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 40-450 A
Display Name:	XT1C 160 TMD 40-450 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>	8a91ff6a-ad35-4fb5-a92a-df6404a582cb Italy
<b>Simplified SCIP:</b>	ff22bf26-0f34-41ea-99ef-86eed6814bc5 Germany 52ef1d57-7ac3-4b6f-a7e4-e82a028ffb83 Netherlands 74d485f3-103e-4d7a-8443-1f7ad4022261 Netherlands f4830c59-0293-41c0-b6c6-bbc224ef389e Germany 75045930-dcf8-4bdf-a8a6-b1d7536722b0 Denmark 00d5e05b-73de-4ffd-ada4-75fe59753d1b Germany a3bb56c5-c825-461f-b74a-af460f0a46b3 Croatia 511b521b-ee85-4c5d-bc0a-7a79e53ee659 Czechia 6c056f27-91fa-4473-854f-037e49936562 Netherlands 4019c24c-8691-4202-9180-e5d03adce627 Netherlands 48db9e10-b526-4ac0-aae6-d10ceea229d1 Estonia ba95b5e4-99d5-4eea-b2c9-cb155dd74fa9 Greece c445fb07-7d15-41b6-a68d-cdb076abe0f1 Portugal 2bbe0591-3502-4ecc-b98b-6a391f7c3659 Bulgaria eb299f83-c903-4a3c-b98c-1d1fc6bbcadb Sweden 6abe2cd0-f062-4d83-9004-c331378e8e51 Poland e62cb378-2733-4350-aa9c-3b6ed41c578f France 30e1b010-9328-4a58-8902-080379a87c23 Sweden be0d0faf-5974-449f-b370-495cba09cb01 Germany 9140d5d7-7c67-405b-bf7e-5475de634beb Germany 23f70161-83b5-42b7-b046-4553eb6db904 Spain 7cce477e-45c8-445e-9a44-47829e0653e7 Netherlands d5142b24-b2c5-442e-92f1-34be6bf004b6 Poland Oda3aafb-d5a7-44a0-866d-3774ab59123e Poland 9d65d086-3f78-4165-b15a-c20f5c9a033b Finland 167b4a8a-f6f6-4ac1-b303-632a0bd3431b Norway 3b58e72f-8f59-4998-b549-8ee112e84c38 France

## Environmental

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

<b>Order Code US and Canada:</b>	XT1CE3040AFF000XXX
<b>E-Number (Finland):</b>	3638775
<b>E-Number (Norway):</b>	4309613
<b>EAN:</b>	8015644012175
<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:	8015644012175

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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 2.6 W
Rated Current (I <sub>n</sub> ):	40 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** 450 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>	28...40 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

