



PRODUCT-DETAILS

# XT1B 160 TMD 80-800 3p F F

# XT1B 160 TMD 80-800 3p F F



General Information	
Extended Product Type:	XT1B 160 TMD 80-800 3p F F
Product ID:	1SDA066806R1
EAN:	8015644007133
Catalog Description:	XT1B 160 TMD 80-800 3p F F
Long Description:	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 80-800 A
Display Name:	XT1B 160 TMD 80-800 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>	12b7f382-4722-4945-988b-e37d962b7282 Italy
<b>Simplified SCIP:</b>	f1d68000-2a2d-4e24-8c96-5063f4fc3c47 Belgium 9711d014-22f4-47b7-a96a-4b08806284aa Germany f8047d56-fa10-44b0-9fb6-4372d6e62200 Portugal 2884442f-276d-47e7-909a-5d277a03e432 Sweden 02044480-5f79-4bfa-9ed8-c9c2d8d3fbf3 Hungary 3f7473ac-f31e-4d42-bb6b-0c53ffdc1c0d France 3fe07e9f-744a-4480-afac-b39e9391f58d Spain f5de8c78-df04-4f3e-bb12-6e4ea1d55d53 Germany 9d37a03a-ee6f-4143-bbea-2dc0af4136e1 Norway 691dc1e6-912f-4f11-8891-680d4dc67f84 Finland d0d255fb-cb9f-432d-8993-5c1e2a72812f Belgium a81dafae-890b-41f8-9983-dfaa9bb480a0 Germany 079cb7cf-cb2d-46f1-89c1-c01c5097e8c4 Denmark 2d71e2bd-06ba-4ce6-91ca-4ee236cebfe9 Poland 84e8094d-4524-46f7-802f-d078fe0af323 Germany 391932b4-e3ba-445d-9dbb-6d58cc812629 Germany da5c2b0b-e2cb-4e02-97df-46c4354555fb Croatia 478f216e-efe2-43e1-869b-c88849cdf4e5 Poland 85664b23-bfb5-404c-9d30-df07bc4db131 Czechia 840a9751-90d2-412d-ad50-4366e23beff2 Sweden bdfb10e-5dcb-4da4-8f09-cd20565986ff Bulgaria 3b7108cf-1506-41f4-b5b3-154d64ff6fbb Estonia 3d57aefd-b6d3-4cff-ae37-e092188e6adb Greece 11fbc3f-97e0-458e-871f-64ffed82e29c Netherlands d5b6cb7f-043d-464c-a972-dbe298c0ed32 Hungary 3ea0e58b-e91a-4782-b352-2bb4386e8c1f Poland 2234bb1d-1039-47a5-bb29-9cd8e2479a53 France

## Environmental

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

<b>Order Code US and Canada:</b>	XT1BE3080AFF000XXX
<b>E-Number (Finland):</b>	3640499
<b>E-Number (Norway):</b>	4309607
<b>EAN:</b>	8015644007133
<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:	1.133 kg
Package Level 1 EAN:	8015644007133

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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 4.8 W
Rated Current (I <sub>n</sub> ):	80 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** 800 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) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 11.25 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 kA
<b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b>	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 15 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 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>	56...80 A
<b>Short-Circuit Performance Level:</b>	B
<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

**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

