



PRODUCT-DETAILS

# XT1B 160 TMD 32-450 3p F F

## XT1B 160 TMD 32-450 3p F F



### General Information

<b>Extended Product Type:</b>	XT1B 160 TMD 32-450 3p F F
<b>Product ID:</b>	1SDA066802R1
<b>EAN:</b>	8015644694463
<b>Catalog Description:</b>	XT1B 160 TMD 32-450 3p F F
<b>Long Description:</b>	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A
<b>Display Name:</b>	XT1B 160 TMD 32-450 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>	f73e4266-0af4-4cef-b9b3-260c00a910f9 Italy
<b>Simplified SCIP:</b>	7aac2671-b6b8-4dcf-aa1e-3f4dba5449be Germany 06390208-d394-410e-9842-b8f1aa84ad09 Poland ce31830e-4feb-4262-8ac1-c0a505cbd58c Norway 43aad17a-9e80-44f3-9db3-9d6d35642925 Finland e181dcff-17e3-4829-8167-be0ead9f9f4f Netherlands 7515b418-fb55-4766-95e2-4323a6ecd612 Germany 45a6cb81-5081-41fe-a071-5cf38b8adf65 Denmark ff639201-5b12-440f-821d-3a6c4ce2953c Germany f913e764-1c76-4c93-9fc0-2a0875805dc8 Croatia dc0ff913-83d0-4f15-babc-7a856a1b3255 Czechia b020eae-bcf23-445c-95a4-4f103ce43fa5 Poland fa9663ae-4d74-4267-a4b0-fcfc539c2914 Netherlands a409c160-db3e-4860-adba-1d89501dd2c5 Netherlands aebf759a-29ca-419e-b416-0ecf3b3f9577 Estonia e0db3e96-345c-4b56-91d0-3a02a89a2482 Greece 094c590f-e054-4452-9a76-5fb143f976e9 Portugal 2e656ab5-eff3-4755-bcc3-052950d58ddb Bulgaria df9ecf69-1483-4540-b0c4-3bdfc49abdad Sweden c6236bbe-bf16-4be7-9c71-7d042fe7dbe1 Poland d6074c8c-4abc-41ae-ad9f-fa07173c3572 France 382fe93d-82da-457d-b30e-7032f1b8681e Sweden 908a3719-74a3-4ad9-8c4f-413f7b640fe2 Germany c0dd578e-17bc-4735-a4bd-35aac606fc6d Germany f358ac58-4638-4878-b499-0f7191ed7405 France efc96197-3e4f-4d77-a0c4-4a5c216675e2 Netherlands 9131538b-9a93-4dc4-88d8-690a0b2651e3 Spain d203dbb9-dd7c-4d5d-ad5c-3e96966e8826 Netherlands

## Environmental

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

<b>Order Code US and Canada:</b>	XT1BE3032AFF000XXX
<b>E-Number (Finland):</b>	3638629
<b>E-Number (Norway):</b>	4309603
<b>EAN:</b>	8015644694463
<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:	1.11 kg
Package Level 1 EAN:	8015644694463

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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 2.1 W
Rated Current (I <sub>n</sub> ):	32 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) 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>	22.4...32 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

**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

<b>Wiring Diagram:</b>	1SDM000068R0001
<b>Instructions and Manuals:</b>	1SDH000719R0001

**External Classifications and Standards**

<b>ETIM 9:</b>	EC000228 - Power circuit-breaker for trafo/generator/installation protection
<b>ETIM 10:</b>	EC000228 - Power circuit-breaker for trafo/generator/installation protection
<b>Object Classification Code:</b>	Q
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)
<b>eClass:</b>	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

