

PRODUCT-DETAILS

# XT1B 160 TMD 50-500 3p F F

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## General Information

Extended Product Type	XT1B 160 TMD 50-500 3p F F
Product ID	1SDA066804R1
EAN	8015644007119
Catalog Description	XT1B 160 TMD 50-500 3p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A

## ABB EcoSolutions

ABB EcoSolutions	Yes
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## Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 60.9 %
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available
Toxic Substances	9AKK108467A8326

Control Act - TSCA

### Eco Transparency

Environmental Product Declaration - EPD 9AKK108468A1890

### Environmental

Environmental Information	9AKK107991A8215 9AKK108467A6707
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	a10a99fa-25ac-433d-b62d-7689b50c5c6c Italy (IT)
Simplified SCIP	69cd6212-a899-4286-a772-8f474dc6c2bb Poland (PL) 37f17624-f471-4fd3-9b01-4c3625894ed3 Norway (NO) 4a34c8c8-9faf-4d2f-a59b-f51d5cdd4e8d Finland (FI) 5537a32c-26dc-4c9d-bc95-cb9905d66cfc Netherlands (NL) ef53c3b5-bc52-49fb-b855-7a8f21515267 Germany (DE) 56d03ad1-bd96-4376-9736-79e2ef64f4ab Denmark (DK) b3206c37-260c-4ebf-b240-4996b994f65d Germany (DE) ddb77a11-e6f5-4b70-bf76-a947793ddf48 Croatia (HR) 2c66013a-028e-4ca1-ac7d-2a830f47a45b Czech Republic (CZ) 6dcf4af9-a40a-4f40-9d60-663b40bbfdc5 Poland (PL) 614bc1e9-9182-4efb-aa78-e6e9372fd979 Netherlands (NL) e9e72111-5dc6-449c-afad-bfb9bf049e48 Netherlands (NL) b9ea0014-b614-4eed-a49a-4a83d350ab8b Estonia (EE) f45570f0-233c-43c3-9f60-758b79f8fb85 Greece (GR) 2d3090e5-4296-4969-815a-fc359c86aeef Portugal (PT) ef329402-0bc6-458f-adc4-ca0f59af1e1c Bulgaria (BG) 025d7c1b-8c66-4efe-8e49-75d8efc43eba Sweden (SE) 5be09893-83ce-4487-b2ec-d9a313525d19 Poland (PL) fcfc9e57-aec8-4b59-a24d-f90af6d29625 France (FR) 338fd03f-9159-443a-9b5a-4a9e4e3be02e Sweden (SE) a0316fa6-51b1-46f4-ae1e-139caf62298e Germany (DE) 149a8272-3a2b-4d5c-8608-5789a28b417d Germany (DE) c4ea13ca-23b7-43e3-afbb-04d28a093f11 France (FR) 3e5bb53d-fed4-a12-a764-6f9cf645e4c7 Netherlands (NL) 513eef80-bdee-472a-815e-31c738e5c4da Spain (ES) bff7649f-dcc0-4167-b394-414dac45600a Netherlands (NL)

### Ordering

Order Code US and Canada	XT1BE3050AFF000XXX
E-Number (Finland)	3640498
EAN	8015644007119
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

### Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.1 kg

**Container Information**

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	1.134 kg
Package Level 1 EAN	8015644007119

**Additional Information**

Circuit Breaker Type to be Associated	Power Distribution
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	3
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 3.7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I <sub>n</sub> )	50 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U <sub>r</sub> )	690 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	500 A
Rated Insulation Voltage (U <sub>i</sub> )	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	(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

Rated Uninterrupted Current (I <sub>u</sub> )	160 A
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	35...50 A
Short-Circuit Performance Level	B
Standards	IEC
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0008

### Certificates and Declarations

ATEX Certificate	No certification needed
Data Sheet, Technical Information	1SDC210100D0206 1SDC210099D0206
Declaration of Conformity - CE	9AKK106713A5532
GL Certificate	1SDL000163R0103
LR Certificate	1SDL000163R0100
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000719R0100
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0001

### Classifications

ETIM 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 8	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 9	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

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## Categories

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

