





XT1C 160 TMD 50-500 3p F F

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General Information

Extended Product Type:

XT1C 160 TMD 50-500 3p F F

Product ID:

1SDA067394R1

EAN:

8015644695194

Catalog Description:

XT1C 160 TMD 50-500 3p F F

Long Description:

C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A

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Yes

ABB Site Meeting Group Waste To Landfill Target:

UL 2799 Zero Waste To Landfill Validation available

End Of Life Disassembling Instructions:

[Disassembly instructions Tmax XT XT1](#)

Environmental Product Declaration - EPD:

[EPD Tmax XT XT1 \(IT\)](#)

[EPD Tmax XT XT1 \(CN\)](#)

Recyclability Rate of the Product acc. to EN45555:

Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance**REACH Declaration:**

[REACH Declaration ABB Sace circuit breakers](#)

RoHS Information:

[RoHS Declaration ABB Sace circuit breakers](#)

RoHS Status:

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Conflict Minerals Reporting Template (CMRT):

[CMRT - Conflict Minerals Reporting Template](#)

Toxic Substances Control Act - TSCA:

[Toxic Substances Control Act \(TSCA\) declaration](#)

SCIP:

6963f79e-5b3e-491f-8111-ed51582b95f5 Italy

Simplified SCIP:

03623cf1-c0d9-4f9d-a987-0129b1b5c4e3 Germany

0b897293-8966-400d-85d3-3adb67e5645e Netherlands

788f7ce1-ce81-46b1-b516-e8a1a5810a29 Netherlands

aa1def39-a5e1-402c-a7fb-1f69c65bf0cf Germany

75a37be3-c5f2-48d2-921c-196f3e715fbb Denmark

2b729765-22b2-414d-96db-c45c85b86b34 Germany

73e3b539-3241-4e7c-b2e3-a271a8580cce Croatia

f266fe7c-cd54-450c-984b-762ab9f9b7b5 Czech Republic

01bac839-3a95-4abc-9842-01bf939126de Netherlands

3/26/25, 10:43 AM	XT1C 160 TMD 50-500 3p F F ABB
6d189084-7c30-4847-b66c-12452df5457e Netherlands afbc9104-3742-44d7-8a17-ef24c66adf7e Estonia fa14a73d-5be7-45d6-bea7-eef52df9a461 Greece c090809c-f591-4fd0-8f91-3f7005422d41 Portugal 8c6a9e39-4f7d-4d91-a84a-7c5fae9fab39 Bulgaria a751af1f-ba16-4b16-bae1-88bd49a124fd Sweden 189d8f20-fd0b-4ae9-9160-02cedac39911 Poland dfa00889-9143-4640-beda-7b68e77263b4 France e2a75877-0b3c-423d-a60d-9205fd4b7277 Sweden 2ba6904a-b275-40a0-a662-5277d2f0e712 Germany dbbe5839-4af6-41b6-a0d9-d91eb8454cb5 Germany b8b8214a-1d31-430b-aa6b-829d2c2e0845 Spain 30e0bf90-1472-4e80-9b14-b35167a34379 Netherlands 3fc61ee0-7133-460e-943f-e79dba217b6d Poland 5e5400ef-76f0-49e1-9aff-19542ffb47e1 Poland 1bc8a6dc-76f2-4cd5-8b92-6cd0b382a8e5 Finland 46710f5a-a1b8-4e6f-92eb-28c07b84c61b Norway ecb4dd9f-7134-4b06-9ce6-ba53c0aceabe France	

Environmental

Environmental Information:
[Breakers - Packaging disposal information](#)

Ordering

Order Code US and Canada:

XT1CE3050AFF000XXX

E-Number (Finland):

3638609

E-Number (Norway):

4309614

EAN:

8015644695194

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

3/26/25, 10:43 AM	XT1C 160 TMD 50-500 3p F F ABB
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:	
8015644695194	

Additional Information

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:	
XT1 3p FIXED F	

Technical

Connecting Capacity Main Circuit:	
Busbar 45.5 ... 80 mm²	
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 3.7 W	
Rated Current (I_n):	
50 A	
Rated Frequency (f):	
50 / 60 Hz	

3/26/25, 10:43 AM		XT1C 160 TMD 50-500 3p F F ABB	
Rated Impulse Withstand Voltage (U_{imp}):		8 kV	
Rated Instantaneous Short-Circuit Current Setting (I_i):		500 A	
Rated Insulation Voltage (U_i):		800 V	
Rated Operational Voltage:		690 V AC 500 V DC	
Rated Service Short-Circuit Breaking Capacity (I_{cs}):		(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	
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):		(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	
Rated Uninterrupted Current (I_u):		160 A	
Rated Voltage (U_r):		690 V	
Recommended Screw Driver:		Main Circuit M6	
Release:		TMD	
Release Type:		TM	
Setting Range:		35...50 A	
Short-Circuit Performance Level:		C	
Standards:		IEC60947-2	
Sub-type:		XT1	
Terminal Connection Type:		Front	
Terminal Type:			

Bolt

Tightening Torque:

6 N·m

Certificates and Declarations**ATEX Certificate:**

[No certification needed](#)

Data Sheet, Technical Information:

[SACE Tmax XT IEC Low voltage molded case circuit-breakers Catalog](#)

[SACE Tmax XT IEC TECHNICAL CHARACTERISTICS Low voltage molded case circuit-breakers](#)

Declaration of Conformity - CE:

[EC Declaration of Conformity Tmax XT1](#)

GL Certificate:

[1SDL000163R0103](#)

LR Certificate:

[LRs certificate Tmax XT](#)

UL Certificate:

[No certification needed](#)

VDE Certificate:

[No certification needed](#)

Dimension Diagram:

[XT1 3p-4p fixed front terminals](#)

Mechanical Drawings:

[XT1 3p-4p fixed front terminals](#)

Wiring Diagram:

[Circuit diagram for XT1, XT2, XT3 and XT4](#)

Instructions and Manuals:

[Installation instructions XT1](#)

External Classifications and Standards**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

UNSPSC:

39120000

WEEE Category:

5. Small Equipment (No External Dimension More Than 50 cm)

eClass:

V11.1 : 27370409



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