



English



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

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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:

[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:

a10a99fa-25ac-433d-b62d-7689b50c5c6c Italy

Simplified SCIP:

41cd25de-2393-4a57-97ea-cc906e39537c Germany
69cd6212-a899-4286-a772-8f474dc6c2bb Poland
37f17624-f471-4fd3-9b01-4c3625894ed3 Norway
4a34c8c8-9faf-4d2f-a59b-f51d5cdd4e8d Finland
5537a32c-26dc-4c9d-bc95-cb9905d66cfc Netherlands
ef53c3b5-bc52-49fb-b855-7a8f21515267 Germany
56d03ad1-bd96-4376-9736-79e2ef64f4ab Denmark
b3206c37-260c-4ebf-b240-4996b994f65d Germany
ddb77a11-e6f5-4b70-bf76-a947793ddf48 Croatia
2c66013a-028e-4ca1-ac7d-2a830f47a45b Czech Republic
6dcf4af9-a40a-4f40-9d60-663b40bbfcd5 Poland
614bc1e9-9182-4efb-aa78-e6e9372fd979 Netherlands
e9e72111-5dc6-449c-afad-bfb9bf049e48 Netherlands
b9ea0014-b614-4eed-a49a-4a83d350ab8b Estonia
f45570f0-233c-43c3-9f60-758b79f8fb85 Greece
2d3090e5-4296-4969-815a-fc359c86aeef Portugal
ef329402-0bc6-458f-adc4-ca0f59af1e1c Bulgaria
025d7c1b-8c66-4efe-8e49-75d8efc43eba Sweden

3/25/25, 4:23 PM	XT1B 160 TMD 50-500 3p F F ABB
5be09893-83ce-4487-b2ec-d9a313525d19 Poland	
fcfc9e57-aec8-4b59-a24d-f90af6d29625 France	
338fd03f-9159-443a-9b5a-4a9e4e3be02e Sweden	
a0316fa6-51b1-46f4-ae1e-139caf62298e Germany	
149a8272-3a2b-4d5c-8608-5789a28b417d Germany	
c4ea13ca-23b7-43e3-afbb-04d28a093f11 France	
3e5bb53d-fed8-4a12-a764-6f9cf645e4c7 Netherlands	
513eef80-bdee-472a-815e-31c738e5c4da Spain	
bff7649f-dcc0-4167-b394-414dac45600a Netherlands	

Environmental

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

Ordering

Order Code US and Canada:

XT1BE3050AFF000XXX

E-Number (Finland):

3640498

E-Number (Norway):

4309605

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

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

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) 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_{cu}):

(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_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:

B

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

WEEE Category:

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

eClass:

V11.1 : 27370409

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