



English



XT1N 160 TMD 32-450 3p F F

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General Information

Extended Product Type:

XT1N 160 TMD 32-450 3p F F

Product ID:

1SDA067411R1

EAN:

8015644013059

Catalog Description:

XT1N 160 TMD 32-450 3p F F

Long Description:

C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A

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Data Sheet Downloads Buy now Categories Related Links

Go To Section:[ABB EcoSolutions](#)[Material Compliance](#)[Environmental](#)[Ordering](#)[Dimensions](#)[Container Information](#)[Additional Information](#)[Technical](#)[Certificates and Declarations](#)[External Classifications and Standards](#)**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:**[b8ba1754-58ff-4887-8f7b-ac517add86e1 Italy](#)**Simplified SCIP:**

[45f47fd6-9223-46fa-a768-bcd646930445 Bulgaria](#)
[826467e8-cc7a-454f-9954-b24a70a33722 Poland](#)
[64d2a653-cc56-47a4-8907-40c4975df2c5 France](#)
[0c9508b2-5f63-4738-9f37-95ee249dd923 Croatia](#)
[bfd52cf6-137a-4f1c-baa4-198c7ddd4e77 Poland](#)
[a8ce4899-c258-4bc9-aac4-7af7a288685d Denmark](#)
[7525be68-6981-41b5-91d3-5fed25e2a835 Germany](#)
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78a1611c-b08c-4b82-a760-a9bc7da23dfb Norway
cbe9d242-d2db-4e53-b93d-35a5d1c6bb74 Finland
4e709cd3-5143-4be6-a525-7d85629d9946 Czech Republic
cdbc825-e361-4240-9349-5061d288185e Poland
c514384a-039c-426f-a521-b1eac9b56b6e Netherlands
b9688eb6-71ae-4c47-92ee-dc1425ce896b Greece
701d79bb-51d3-4b42-aafd-33bade3eabd2 Portugal
1417ae19-1649-44f6-9231-412343027262 Hungary
c9f14d1c-7394-4cab-b753-be55508ca065 Estonia
70b057a8-566a-41a8-ad52-08518207790a Hungary
8e4aab66-7fa7-422e-9cc3-8ab43447bab1 France
f08d0540-cdf9-4632-802e-19ce412839a5 Spain
fab47967-e60a-4ffe-ae3c-f3174b9c57d0 Germany
f0447bee-d0c0-469b-9fd1-36c1a459b32b Germany
6b50316f-e96a-457c-aa45-af0a945b8d9d Belgium
f85f968d-05e4-4d0f-afa2-a32373a91645 Sweden
999f1b32-9c39-4e8c-8d78-2eb9c626385c Sweden
96e93a98-4c84-47e2-a83c-afd5fe9a555b Germany

Environmental

Environmental Information:

[Breakers - Packaging disposal information](#)

Ordering

Order Code US and Canada:

XT1NE3032AFF000XXX

E-Number (Finland):

3640522

E-Number (Norway):

4379203

EAN:

8015644013059

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, 11:41 AM	XT1N 160 TMD 32-450 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:	
1.134 kg	
Package Level 1 EAN:	
8015644013059	

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 2.1 W	
Rated Current (I_n):	
32 A	
Rated Frequency (f):	
50 / 60 Hz	

3/26/25, 11:41 AM	XT1N 160 TMD 32-450 3p F F ABB
Rated Impulse Withstand Voltage (U_{imp}):	
8 kV	
Rated Instantaneous Short-Circuit Current Setting (I_i):	
450 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) 50 kA	
(230 V AC) 50 kA	
(240 V AC) 50 kA	
(380 V AC) 36 kA	
(415 V AC) 36 kA	
(440 V AC) 18 kA	
(500 V AC) 15 kA	
(525 V AC) 11 kA	
(690 V AC) 5 kA	
(250 V DC) 2 Poles in Series 36 kA	
(500 V DC) 3 Poles in Series 36 kA	
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	
(220 V AC) 65 kA	
(230 V AC) 65 kA	
(240 V AC) 65 kA	
(380 V AC) 36 kA	
(415 V AC) 36 kA	
(440 V AC) 36 kA	
(500 V AC) 30 kA	
(525 V AC) 22 kA	
(690 V AC) 6 kA	
(250 V DC) 2 Poles in Series 36 kA	
(500 V DC) 3 Poles in Series 36 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:	
22.4...32 A	
Short-Circuit Performance Level:	
N	
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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