



PRODUCT-DETAILS

XT1S 160 TMD 100-1000 4p F F

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General Information	
Extended Product Type:	XT1S 160 TMD 100-1000 4p F F
Product ID:	1SDA067442R1
EAN:	8015644013363
Catalog Description:	XT1S 160 TMD 100-1000 4p F F
Long Description:	C.BREAKER TMAX XT1S 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A
Display Name:	XT1S 160 TMD 100-1000 4p F F

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:	9AKK108468A2347
Environmental Product Declaration - EPD:	9AKK108468A1890 9AKK108468A7793
Extended Product Lifetime:	Product Modularity

Recyclability Rate of the Product acc. to EN45555: Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

REACH Declaration:	9AKK108466A1425
RoHS Declaration:	9AKK108466A1424
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
Toxic Substances Control Act - TSCA:	9AKK108467A8326
SCIP:	e8703c7c-6812-4be1-aeb2-6bff832bb09f Italy

Submitted by TECO Group

Simplified SCIP:

4e9acd67-d223-4094-b9f5-2ebf71cb410f Germany
fd39c242-86e6-416e-b9c0-e7c52df5fb64 France
93c3ca25-5552-4eb6-a923-ff9437ec1af6 Poland
7eb66e3c-1557-4977-b204-6e3ca4ec29a7 Norway
ca380bb1-2434-45d8-940b-04eb67127210 Finland
a803e76c-97e0-4c9a-8c96-b332b920d2cd Netherlands
c914d93c-f6fd-46ef-b8da-67d5736a3223 Germany
086c3b68-4d79-4880-a044-a5c9ef5c87c7 Denmark
5ff52182-00bd-4ef2-a786-58b69ea31750 Germany
87d9040b-7ce5-453c-ab3f-b93321188984 Croatia
7a13ad3e-8aa9-4c14-bb72-acca1120f26b Czech Republic
ad8d8a9c-03e8-46f4-9b86-3d3c741a5eff Poland
cc715317-d23b-4c79-b9ec-5e7ddd91a699 Netherlands
db95924e-f3f2-4a14-9d80-1da6e07a8ae8 Netherlands
cf473a32-c0f8-4491-bf62-34fcb2a7e19b Estonia
920632a6-dc52-49b5-b34d-c140ce0dba19 Greece
54507a39-7694-43e5-88e7-7d1cdd999ea9 Portugal
e8b460aa-4cda-439a-89ec-39552b61017e Sweden
7fc81dc4-7aef-4ec6-823a-4ac15025f2d0 Germany
b71b96b4-2243-4ed9-a56c-2a7861a83a84 Germany
3d9da6a6-399e-4b89-a85f-1e56b93af4f5 France
c5ac8b84-3212-49e7-b80a-5bf9a9c59b21 Netherlands
fd39c242-86e6-416e-b9c0-e7c52df5fb64 France
e8b460aa-4cda-439a-89ec-39552b61017e Sweden
7fc81dc4-7aef-4ec6-823a-4ac15025f2d0 Germany
b71b96b4-2243-4ed9-a56c-2a7861a83a84 Germany
3d9da6a6-399e-4b89-a85f-1e56b93af4f5 France
c5ac8b84-3212-49e7-b80a-5bf9a9c59b21 Netherlands
95856155-be17-4867-b3c6-083b946bad7c Spain
93c3ca25-5552-4eb6-a923-ff9437ec1af6 Poland
7eb66e3c-1557-4977-b204-6e3ca4ec29a7 Norway
ca380bb1-2434-45d8-940b-04eb67127210 Finland
a803e76c-97e0-4c9a-8c96-b332b920d2cd Netherlands
c914d93c-f6fd-46ef-b8da-67d5736a3223 Germany
086c3b68-4d79-4880-a044-a5c9ef5c87c7 Denmark
5ff52182-00bd-4ef2-a786-58b69ea31750 Germany
87d9040b-7ce5-453c-ab3f-b93321188984 Croatia
7a13ad3e-8aa9-4c14-bb72-acca1120f26b Czech Republic
ad8d8a9c-03e8-46f4-9b86-3d3c741a5eff Poland
cc715317-d23b-4c79-b9ec-5e7ddd91a699 Netherlands
db95924e-f3f2-4a14-9d80-1da6e07a8ae8 Netherlands
cf473a32-c0f8-4491-bf62-34fcb2a7e19b Estonia
920632a6-dc52-49b5-b34d-c140ce0dba19 Greece
95856155-be17-4867-b3c6-083b946bad7c Spain
78e794d4-b55d-4fbd-964e-cb0ee32e0e21 Netherlands
e810a25b-9a9f-4c1f-9e19-b134b4b131e1 Bulgaria
5a0dad15-d1b8-45fd-9bfd-e9752482d4f7 Sweden
78e794d4-b55d-4fbd-964e-cb0ee32e0e21 Netherlands
09dddf6d-a2ab-4eec-bf95-8c7e9e966cae Poland
54507a39-7694-43e5-88e7-7d1cdd999ea9 Portugal
e810a25b-9a9f-4c1f-9e19-b134b4b131e1 Bulgaria
5a0dad15-d1b8-45fd-9bfd-e9752482d4f7 Sweden
09dddf6d-a2ab-4eec-bf95-8c7e9e966cae Poland

Environmental

Environmental Information: 9AKK108467A6707

Ordering

Order Code US and Canada: XT1SE4100AFF000XXX

E-Number (Norway): 4309723

EAN: 8015644013363

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362090

Dimensions

Product Net Width:	101.6 mm
Product Net Height:	130 mm
Product Net Depth / Length:	70 mm
Product Net Weight:	1.4 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:	1.4 kg
Package Level 1 EAN:	8015644013363

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:	1SDH001295R0080

Technical

Connecting Capacity Main Circuit:	Busbar 45.5 ... 80 mm ²
Current Type:	AC/DC
Electrical Durability:	120 cycles per hour 8000 cycle
Mechanical Durability:	240 cycles per hour 25000 cycle
Number of Poles:	4P
Opening Time:	CB with SOR 30 ms CB with UVR 30 ms
Order Multiple:	1 piece
Power Loss:	at Rated Operating Conditions per Pole 7 W
Rated Current (I _n):	100 A
Rated Frequency (f):	50 / 60 Hz

Rated Impulse Withstand Voltage (U_{imp}): 8 kV

Rated Instantaneous Short-Circuit Current 1000 A
Setting (I_i):

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) 80 kA
 (230 V AC) 80 kA
 (240 V AC) 80 kA
 (380 V AC) 50 kA
 (415 V AC) 37.5 kA
 (440 V AC) 25 kA
 (500 V AC) 18 kA
 (525 V AC) 17.5 kA
 (690 V AC) 5 kA
 (250 V DC) 2 Poles in Series 50 kA
 (500 V DC) 3 Poles in Series 50 kA

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}): (220 V AC) 85 kA
 (230 V AC) 85 kA
 (240 V AC) 85 kA
 (380 V AC) 50 kA
 (415 V AC) 50 kA
 (440 V AC) 50 kA
 (500 V AC) 36 kA
 (525 V AC) 35 kA
 (690 V AC) 8 kA
 (250 V DC) 2 Poles in Series 50 kA
 (500 V DC) 3 Poles in Series 50 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: 70...100 A

Short-Circuit Performance Level: S

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: 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

External Classifications and Standards

ETIM 9:	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 10:	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

Categories

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

