



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

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

Material Compliance	
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	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
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 09dddfd6-a2ab-4eec-bf95-8c7e9e966cae Poland 54507a39-7694-43e5-88e7-7d1cdd999ea9 Portugal e810a25b-9a9f-4c1f-9e19-b134b4b131e1 Bulgaria 5a0dad15-d1b8-45fd-9bfd-e9752482d4f7 Sweden 09dddfd6-a2ab-4eec-bf95-8c7e9e966cae Poland

Environmental

Environmental Information	9AKK108467A6707
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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 Setting (I_i)	1000 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) 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	9AKK106713A5532

Conformity - CE	
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 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

Categories

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

