



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

Circular Value	
Circular Design	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Principles Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill	UL 2799 Zero Waste To Landfill Validation available

Target	
Toxic Substances	9AKK108467A8326
Control Act - TSCA	

Eco Transparency

Environmental Product	9AKK108468A1890
Declaration - EPD	9AKK108468A7793

Environmental

Environmental Information	9AKK108467A6707
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	e8703c7c-6812-4be1-aeb2-6bff832bb09f Italy (IT)
Simplified SCIP	fd39c242-86e6-416e-b9c0-e7c52df5fb64 France (FR) 93c3ca25-5552-4eb6-a923-ff9437ec1af6 Poland (PL) 7eb66e3c-1557-4977-b204-6e3ca4ec29a7 Norway (NO) ca380bb1-2434-45d8-940b-04eb67127210 Finland (FI) a803e76c-97e0-4c9a-8c96-b332b920d2cd Netherlands (NL) c914d93c-f6fd-46ef-b8da-67d5736a3223 Germany (DE) 086c3b68-4d79-4880-a044-a5c9ef5c87c7 Denmark (DK) 5ff52182-00bd-4ef2-a786-58b69ea31750 Germany (DE) 87d9040b-7ce5-453c-ab3f-b93321188984 Croatia (HR) 7a13ad3e-8aa9-4c14-bb72-acca1120f26b Czech Republic (CZ) ad8d8a9c-03e8-46f4-9b86-3d3c741a5eff Poland (PL) cc715317-d23b-4c79-b9ec-5e7ddd91a699 Netherlands (NL) db95924e-f3f2-4a14-9d80-1da6e07a8ae8 Netherlands (NL) cf473a32-c0f8-4491-bf62-34fcb2a7e19b Estonia (EE) 920632a6-dc52-49b5-b34d-c140ce0dba19 Greece (GR) 54507a39-7694-43e5-88e7-7d1cdd999ea9 Portugal (PT) e8b460aa-4cda-439a-89ec-39552b61017e Sweden (SE) 7fc81dc4-7aef-4ec6-823a-4ac15025f2d0 Germany (DE) b71b96b4-2243-4ed9-a56c-2a7861a83a84 Germany (DE) 3d9da6a6-399e-4b89-a85f-1e56b93af4f5 France (FR) c5ac8b84-3212-49e7-b80a-5bf9a9c59b21 Netherlands (NL) fd39c242-86e6-416e-b9c0-e7c52df5fb64 France (FR) e8b460aa-4cda-439a-89ec-39552b61017e Sweden (SE) 7fc81dc4-7aef-4ec6-823a-4ac15025f2d0 Germany (DE) b71b96b4-2243-4ed9-a56c-2a7861a83a84 Germany (DE) 3d9da6a6-399e-4b89-a85f-1e56b93af4f5 France (FR) c5ac8b84-3212-49e7-b80a-5bf9a9c59b21 Netherlands (NL) 95856155-be17-4867-b3c6-083b946bad7c Spain (ES) 93c3ca25-5552-4eb6-a923-ff9437ec1af6 Poland (PL) 7eb66e3c-1557-4977-b204-6e3ca4ec29a7 Norway (NO) ca380bb1-2434-45d8-940b-04eb67127210 Finland (FI) a803e76c-97e0-4c9a-8c96-b332b920d2cd Netherlands (NL) c914d93c-f6fd-46ef-b8da-67d5736a3223 Germany (DE) 086c3b68-4d79-4880-a044-a5c9ef5c87c7 Denmark (DK) 5ff52182-00bd-4ef2-a786-58b69ea31750 Germany (DE) 87d9040b-7ce5-453c-ab3f-b93321188984 Croatia (HR) 7a13ad3e-8aa9-4c14-bb72-acca1120f26b Czech Republic (CZ) ad8d8a9c-03e8-46f4-9b86-3d3c741a5eff Poland (PL) cc715317-d23b-4c79-b9ec-5e7ddd91a699 Netherlands (NL) db95924e-f3f2-4a14-9d80-1da6e07a8ae8 Netherlands (NL) cf473a32-c0f8-4491-bf62-34fcb2a7e19b Estonia (EE) 920632a6-dc52-49b5-b34d-c140ce0dba19 Greece (GR) 95856155-be17-4867-b3c6-083b946bad7c Spain (ES) 78e794d4-b55d-4fbd-964e-cb0ee32e0e21 Netherlands (NL) e810a25b-9a9f-4c1f-9e19-b134b4b131e1 Bulgaria (BG) 5a0dad15-d1b8-45fd-9bfd-e9752482d4f7 Sweden (SE) 78e794d4-b55d-4fbd-964e-cb0ee32e0e21 Netherlands (NL) 09dddf6d-a2ab-4eec-bf95-8c7e9e966cae Poland (PL)

54507a39-7694-43e5-88e7-7d1cdd999ea9 Portugal (PT)
e810a25b-9a9f-4c1f-9e19-b134b4b131e1 Bulgaria (BG)
5a0dad15-d1b8-45fd-9bfd-e9752482d4f7 Sweden (SE)
09dddfd6-a2ab-4eec-bf95-8c7e9e966cae Poland (PL)

Ordering

Order Code US and Canada	XT1SE4100AFF000XXX
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
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	4
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I _n)	100 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U _r)	690 V
Rated Impulse	8 kV

Withstand Voltage (U _{imp})	
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) 63.75 kA (230 V AC) 63.75 kA (240 V AC) 63.75 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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	70...100 A
Short-Circuit Performance Level	S
Standards	IEC
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0080

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

Classifications

ETIM 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
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

