



PRODUCT-DETAILS

XT1S 160 TMD 50-500 3p F F

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General Information	
Extended Product Type	XT1S 160 TMD 50-500 3p F F
Product ID	1SDA067431R1
EAN	8015644013257
Catalog Description	XT1S 160 TMD 50-500 3p F F
Long Description	C.BREAKER TMAX XT1S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Conflict Minerals Reporting Template	9AKK108467A5658

(CMRT)

End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available
Toxic Substances Control Act - TSCA	9AKK108467A8326

Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
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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	d8b419b4-3733-4ae4-8a91-4f84863049e0 Italy (IT)
Simplified SCIP	161d630c-a11e-4169-88a0-de7609d785a3 Germany (DE) b61537aa-9439-4228-8a02-f85a1924e991 Germany (DE) fcbdede8-6af9-4bdd-b2f0-4f4d7a753ea0 Denmark (DK) 1c5857dc-2613-44ac-ba65-234df54018a0 Germany (DE) 399aba8f-736e-432c-8ffd-5f1cc537b748 Croatia (HR) 61cca731-850a-44e7-af52-c7013fc97300 Czech Republic (CZ) 5b14a9a3-4dbb-4fc2-920d-c934de09fbd9 Poland (PL) 2222484c-32d6-4b08-b67f-f04af6e360e6 Netherlands (NL) 4f3eb8da-4047-4f3a-91b9-39e159c24072 Netherlands (NL) 9948e8d9-aed0-47b1-9f52-59670ea55e2f Estonia (EE) 0392203b-40aa-4cf9-b370-a8600173f82b Greece (GR) 91937007-a34c-4126-8f1d-43e8456f03b2 Portugal (PT) db736ba5-fc8d-40eb-abbe-50e76637f158 Bulgaria (BG) 33a52e53-2d43-4dde-a4e1-f19f8b48a80e Sweden (SE) af23864e-f9c0-4acf-b523-116cd3c089b2 Poland (PL) 6ed718fe-1cee-409d-8787-6cce870b3048 Netherlands (NL) 6e52a94e-28c0-4c6c-b151-0fefe424e7b9 Spain (ES) 8d786b29-969c-4cae-8100-1de45cca1d75 Poland (PL) 2d03f65a-0e93-47d9-9a8e-ccce92f7939a Norway (NO) 1d7952a1-da7d-4aba-b587-fad0428ef996 Finland (FI) 8f7e52f8-fca7-4fba-8a8e-5e478d6ccbfe Netherlands (NL) 8d786b29-969c-4cae-8100-1de45cca1d75 Poland (PL) 2d03f65a-0e93-47d9-9a8e-ccce92f7939a Norway (NO) 1d7952a1-da7d-4aba-b587-fad0428ef996 Finland (FI) 8f7e52f8-fca7-4fba-8a8e-5e478d6ccbfe Netherlands (NL) b61537aa-9439-4228-8a02-f85a1924e991 Germany (DE) fcbdede8-6af9-4bdd-b2f0-4f4d7a753ea0 Denmark (DK) 1c5857dc-2613-44ac-ba65-234df54018a0 Germany (DE) 399aba8f-736e-432c-8ffd-5f1cc537b748 Croatia (HR) 61cca731-850a-44e7-af52-c7013fc97300 Czech Republic (CZ) 5b14a9a3-4dbb-4fc2-920d-c934de09fbd9 Poland (PL) 2222484c-32d6-4b08-b67f-f04af6e360e6 Netherlands (NL) 4f3eb8da-4047-4f3a-91b9-39e159c24072 Netherlands (NL) 9948e8d9-aed0-47b1-9f52-59670ea55e2f Estonia (EE) 0392203b-40aa-4cf9-b370-a8600173f82b Greece (GR) 91937007-a34c-4126-8f1d-43e8456f03b2 Portugal (PT) 062277d9-49d5-444c-9bca-83e92e3f5566 Sweden (SE) e38d4261-32ad-4cfd-b2c4-dfaa3eedc7be Germany (DE) 3a5a980f-7795-4e1c-8126-4cb638caa0b1 Germany (DE) 53202e0e-c61a-417c-9f00-04f7235421ef France (FR) 6ed718fe-1cee-409d-8787-6cce870b3048 Netherlands (NL) 6e52a94e-28c0-4c6c-b151-0fefe424e7b9 Spain (ES) 0f021f04-9872-4a7f-8880-e71db5b2d6db Netherlands (NL) db736ba5-fc8d-40eb-abbe-50e76637f158 Bulgaria (BG) 33a52e53-2d43-4dde-a4e1-f19f8b48a80e Sweden (SE)

Of021f04-9872-4a7f-8880-e71db5b2d6db Netherlands (NL)
af23864e-f9c0-4acf-b523-116cd3c089b2 Poland (PL)
07cc18df-e9e3-4057-889d-0896c8a1af0d France (FR)
062277d9-49d5-444c-9bca-83e92e3f5566 Sweden (SE)
e38d4261-32ad-4cfd-b2c4-dfaa3eedc7be Germany (DE)
3a5a980f-7795-4e1c-8126-4cb638caa0b1 Germany (DE)
53202e0e-c61a-417c-9f00-04f7235421ef France (FR)
07cc18df-e9e3-4057-889d-0896c8a1af0d France (FR)

Ordering

Order Code US and Canada	XT1SE3050AFF000XXX
EAN	8015644013257
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	1.167 kg
Package Level 1 EAN	8015644013257

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	3
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 3.7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I _n)	50 A

Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U _r)	690 V
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) 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	35...50 A
Short-Circuit Performance Level	S
Standards	IEC60947-2
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0008

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

