



PRODUCT-DETAILS

XT1N 160 TMD 50-500 4p F F

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General Information

Extended Product Type	XT1N 160 TMD 50-500 4p F F
Product ID	1SDA067421R1
EAN	8015644013158
Catalog Description	XT1N 160 TMD 50-500 4p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A

ABB EcoSolutions

ABB EcoSolutions	Yes
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Circular Value

Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
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	bc5d6b25-1750-4cd6-b48b-84ea24159c6e Italy (IT)
Simplified SCIP	91118788-ee18-4d78-be00-961e5290bc9e Germany (DE) d65dd2d9-6308-4d86-b0e2-bab827717846 Czech Republic (CZ) 77697931-db31-4e0c-bc9c-25fa71834994 Poland (PL) 8d2787cf-521c-4139-b30a-377d1ef10c6a Germany (DE) 1f0f32ab-0f81-446b-bed5-766ceff550e7 Denmark (DK) 9f486b83-2ee7-4baf-9e13-226f49760124 Germany (DE) 435dcc50-318c-45f3-b68d-3c016f436814 Croatia (HR) 49154b02-e348-440a-90e5-798be1c433be Sweden (SE) 9d6de0e2-6c33-40b3-827e-e044209a69bb Germany (DE) a578d5a2-5bd8-4848-a8bf-407d6e194dd3 Germany (DE) 3f3cbfa1-bdc9-4026-8097-d06c3c5cc718 Poland (PL) 294ca128-edc5-44c9-bfb1-3d605c127b7a Norway (NO) a8ca0675-934d-4a22-8305-7b52944d5ecd Finland (FI) 7c05c9ba-5df1-4dae-b4ae-6ea2ed5421b4 Netherlands (NL) a8ca0675-934d-4a22-8305-7b52944d5ecd Finland (FI) 7c05c9ba-5df1-4dae-b4ae-6ea2ed5421b4 Netherlands (NL) 8d2787cf-521c-4139-b30a-377d1ef10c6a Germany (DE) 1f0f32ab-0f81-446b-bed5-766ceff550e7 Denmark (DK) 9f486b83-2ee7-4baf-9e13-226f49760124 Germany (DE) 435dcc50-318c-45f3-b68d-3c016f436814 Croatia (HR) d65dd2d9-6308-4d86-b0e2-bab827717846 Czech Republic (CZ) 77697931-db31-4e0c-bc9c-25fa71834994 Poland (PL) 99d289b0-31bf-4f24-bc2a-977b892eaf49 Netherlands (NL) f57ccddc-280a-4758-a767-b6e7c672c365 Netherlands (NL) c8184068-3526-44a5-a9f8-c334256afe1e Estonia (EE) ee9a92b4-81a0-4ac5-b2c8-402606308704 Greece (GR) 4e5397bc-6da8-4ea2-94cd-89731343c6af Portugal (PT) ddc16888-71d6-4749-bea5-43cd2417f134 Bulgaria (BG) 19fbaf55-c3b9-44ba-baf3-f5090b796660 Sweden (SE) 1c095d94-e6d4-4f07-a475-66eacdfb1beb Poland (PL) d494512a-f80c-478b-8bba-f8074343eccc France (FR) 083e6b41-1605-4fcd-9163-90ad051f4e01 France (FR) fc45a372-1f8f-41f2-a023-25a86b48b529 Netherlands (NL) b9205d27-3b29-4acf-9875-290404a1db08 Spain (ES) 3f3cbfa1-bdc9-4026-8097-d06c3c5cc718 Poland (PL) 294ca128-edc5-44c9-bfb1-3d605c127b7a Norway (NO) 99d289b0-31bf-4f24-bc2a-977b892eaf49 Netherlands (NL) f57ccddc-280a-4758-a767-b6e7c672c365 Netherlands (NL) c8184068-3526-44a5-a9f8-c334256afe1e Estonia (EE) ee9a92b4-81a0-4ac5-b2c8-402606308704 Greece (GR) 4e5397bc-6da8-4ea2-94cd-89731343c6af Portugal (PT) 49154b02-e348-440a-90e5-798be1c433be Sweden (SE) 9d6de0e2-6c33-40b3-827e-e044209a69bb Germany (DE) a578d5a2-5bd8-4848-a8bf-407d6e194dd3 Germany (DE) 083e6b41-1605-4fcd-9163-90ad051f4e01 France (FR) fc45a372-1f8f-41f2-a023-25a86b48b529 Netherlands (NL) b9205d27-3b29-4acf-9875-290404a1db08 Spain (ES) 8433faa5-eea1-402d-8579-ab0b9c70704e Netherlands (NL) ddc16888-71d6-4749-bea5-43cd2417f134 Bulgaria (BG) 19fbaf55-c3b9-44ba-baf3-f5090b796660 Sweden (SE) 8433faa5-eea1-402d-8579-ab0b9c70704e Netherlands (NL) 1c095d94-e6d4-4f07-a475-66eacdfb1beb Poland (PL) d494512a-f80c-478b-8bba-f8074343eccc France (FR)

Ordering

Order Code US and Canada	XT1NE4050AFF000XXX
E-Number (Finland)	3640541
E-Number (Sweden)	3182419
EAN	8015644013158
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	8015644013158

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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	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 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) 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
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(500 V DC) 3 Poles in Series 36 kA
	(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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	35...50 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
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)

Categories

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

