



PRODUCT-DETAILS

XT1N 160 TMD 125-1250 4p F F InN=100%
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General Information	
Extended Product Type	XT1N 160 TMD 125-1250 4p F F InN=100%
Product ID	1SDA067427R1
EAN	8015644013219
Catalog Description	XT1N 160 TMD 125-1250 4p F F InN=100%
Long Description	C.BREAKER TMAX XT1N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 125-1250 A FULLY RATED NEUTRAL

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 (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	cdfd6e20-4112-43ae-8f11-134bfd1ab102 Italy (IT)
Simplified SCIP	4782d8c6-3eb8-485f-bd92-053ded7c6e1d Germany (DE) dc9ed4b0-4027-4417-b38d-af18789f0405 Netherlands (NL) b7a5a18c-60bd-4b5e-acd0-87648618cc28 Netherlands (NL) eb8a726a-8b4b-4631-aed0-b0cdd1f50426 Estonia (EE) 1d8e877f-3a56-4783-b21a-169a0f17ad4f Greece (GR) 6ae9e07a-055f-4a4c-9b68-ac0e2bfe9560 Portugal (PT) 3b5c1536-61c2-49f4-8719-9f2e21bafa9d Sweden (SE) 488a34d1-225e-4cce-bb8c-d2429b95a5de Germany (DE) f9216198-35f0-4bd5-b779-70d1a835d47b Germany (DE) d85d3ee3-733d-43a0-a11e-813a3acec039 France (FR) b9d4a66b-1913-47b9-85a1-b40cbe0fd063 Netherlands (NL) a4374a46-19a9-4b10-98be-972b95e9258e Spain (ES) 4228e707-7839-4766-ac09-091a142c4964 Netherlands (NL) 8b1c242e-e785-479f-841f-31424b75dc1c Bulgaria (BG) 33028221-6baf-4fbe-83f7-0622b9cfacbd Sweden (SE) 4228e707-7839-4766-ac09-091a142c4964 Netherlands (NL) 6ca6c686-4576-4b23-b519-44f4db1823ab Poland (PL) 58ee00b6-c082-442d-81a4-2c98f2a36859 France (FR) 3b5c1536-61c2-49f4-8719-9f2e21bafa9d Sweden (SE) d24eac56-50db-412d-8109-bab9a5b1ef19 Netherlands (NL) 6a988071-1b76-4853-8a3c-2eaa88f60c51 Germany (DE) df0a279f-528a-43f6-9e9a-26e3aab4e316 Denmark (DK) 37b2a1b5-4020-4c01-a672-ba47640ee5e3 Germany (DE) 48eb27f6-1747-49f6-889b-52f84632868a Croatia (HR) a30f37c7-12b0-4eb0-b9e3-cc5d6c4b53ed Czech Republic (CZ) 7633fe0f-9d99-4488-9000-3d20fa34b85e Poland (PL) c01187b3-6d26-4d23-9f3d-b6e556bd7197 Poland (PL) 43bb141e-77f6-4d75-bd62-b3b72a1ca8d5 Norway (NO) 87d38f84-7a84-4aaf-9a69-7762d9bb6067 Finland (FI) 488a34d1-225e-4cce-bb8c-d2429b95a5de Germany (DE) f9216198-35f0-4bd5-b779-70d1a835d47b Germany (DE) d85d3ee3-733d-43a0-a11e-813a3acec039 France (FR) b9d4a66b-1913-47b9-85a1-b40cbe0fd063 Netherlands (NL) a4374a46-19a9-4b10-98be-972b95e9258e Spain (ES) c01187b3-6d26-4d23-9f3d-b6e556bd7197 Poland (PL) 43bb141e-77f6-4d75-bd62-b3b72a1ca8d5 Norway (NO) 87d38f84-7a84-4aaf-9a69-7762d9bb6067 Finland (FI) d24eac56-50db-412d-8109-bab9a5b1ef19 Netherlands (NL) 6a988071-1b76-4853-8a3c-2eaa88f60c51 Germany (DE) df0a279f-528a-43f6-9e9a-26e3aab4e316 Denmark (DK) 37b2a1b5-4020-4c01-a672-ba47640ee5e3 Germany (DE) 48eb27f6-1747-49f6-889b-52f84632868a Croatia (HR) a30f37c7-12b0-4eb0-b9e3-cc5d6c4b53ed Czech Republic (CZ) 7633fe0f-9d99-4488-9000-3d20fa34b85e Poland (PL) dc9ed4b0-4027-4417-b38d-af18789f0405 Netherlands (NL) b7a5a18c-60bd-4b5e-acd0-87648618cc28 Netherlands (NL) eb8a726a-8b4b-4631-aed0-b0cdd1f50426 Estonia (EE) 1d8e877f-3a56-4783-b21a-169a0f17ad4f Greece (GR) 6ae9e07a-055f-4a4c-9b68-ac0e2bfe9560 Portugal (PT) 8b1c242e-e785-479f-841f-31424b75dc1c Bulgaria (BG) 33028221-6baf-4fbe-83f7-0622b9cfacbd Sweden (SE) 6ca6c686-4576-4b23-b519-44f4db1823ab Poland (PL) 58ee00b6-c082-442d-81a4-2c98f2a36859 France (FR)

Ordering

Order Code US and Canada	XT1NE4125AFF000XXX
E-Number (Sweden)	3182422
EAN	8015644013219
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	1.47 kg
Package Level 1 EAN	8015644013219

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 10.7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	125 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_s)	1250 A
Rated Insulation Voltage (U_i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-	(220 V AC) 50 kA

Circuit Breaking Capacity (I _{cs})	(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 (500 V DC) 3 Poles in Series 36 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(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	87.5...125 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)
eClass	V11.1 : 27370409

Categories

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

