



PRODUCT-DETAILS

XT1N 160 TMD 125-1250 4p F F InN=50%

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General Information	
Extended Product Type	XT1N 160 TMD 125-1250 4p F F InN=50%
Product ID	1SDA067425R1
EAN	8015644013196
Catalog Description	XT1N 160 TMD 125-1250 4p F F InN=50%
Long Description	C.BREAKER TMAX XT1N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 125-1250 A NEUTRAL = 50% PHASES

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	70e05921-2a38-4eb9-a7bd-f69d0a514f7a Italy (IT)

Simplified SCIP	bb666467-efe2-4c6f-851f-bca17294cdde Germany (DE) fd8230bc-6c6d-4d6f-9079-bc7b58b98627 Netherlands (NL) e3422e4c-4f68-46ce-8e10-94186b7688d2 Estonia (EE) 3231d663-48d3-479f-bce5-edec364221a7a Greece (GR) dca76c44-4701-4199-bcd3-0d0c9fd4576 Portugal (PT) 2b103fad-70ee-4884-895f-409560d5c3e2 Bulgaria (BG) d2f1ab03-8b4f-4736-b52e-e29a53094011 Sweden (SE) 46592a21-908f-4d2d-8060-a51315b95b27 Poland (PL) fe2831df-bce3-4433-9ec3-7874248ec172 France (FR) 658361df-ba83-4426-a492-457fac5960d4 Germany (DE) e20ff43d-31ea-49c9-9fd6-b9924cd27144 Denmark (DK) 7267e02b-9601-426f-a695-8a130374e1dd Germany (DE) aedd4e7-0471-4496-a567-81f6b984808d Croatia (HR) 0666e35b-539e-482b-a2a8-48ad85728f26 Czech Republic (CZ) 02b9e43b-d0ac-427e-b2dd-e40f610a5535 Poland (PL) 9a53c372-60b2-43da-9ca8-38dd23cd95e0 Netherlands (NL) 46592a21-908f-4d2d-8060-a51315b95b27 Poland (PL) fe2831df-bce3-4433-9ec3-7874248ec172 France (FR) 21937ef3-0a68-4226-a70a-e4160aae585a Sweden (SE) 8f78d079-51db-46ef-8427-8a943da97881 Germany (DE) 4ff7ab03-c935-4c31-a804-dd8c855bb196 Germany (DE) af4435f7-b901-4a1f-8f88-a989d946b077 France (FR) c40568e9-5171-48e7-a76e-bb57fc8b7c0a Netherlands (NL) 1edb37b8-0519-492d-a6a0-017c51054e1b Spain (ES) 50e09a46-87a4-407c-84e9-8b94e6bd8b92 Poland (PL) 2d2c9321-c6a1-4012-b3f6-9855505350c2 Norway (NO) fd5cd014-255d-4a2d-8c55-605c4753cc0e Finland (FI) 5a7d4eaa-f26a-42a4-9dec-2a0765a0e307 Netherlands (NL) 3231d663-48d3-479f-bce5-edec364221a7a Greece (GR) dca76c44-4701-4199-bcd3-0d0c9fd4576 Portugal (PT) 21937ef3-0a68-4226-a70a-e4160aae585a Sweden (SE) 8f78d079-51db-46ef-8427-8a943da97881 Germany (DE) 4ff7ab03-c935-4c31-a804-dd8c855bb196 Germany (DE) af4435f7-b901-4a1f-8f88-a989d946b077 France (FR) c40568e9-5171-48e7-a76e-bb57fc8b7c0a Netherlands (NL) 1edb37b8-0519-492d-a6a0-017c51054e1b Spain (ES) 09277124-17dd-4cab-acc9-f8818915f8f3 Netherlands (NL) 2b103fad-70ee-4884-895f-409560d5c3e2 Bulgaria (BG) d2f1ab03-8b4f-4736-b52e-e29a53094011 Sweden (SE) 09277124-17dd-4cab-acc9-f8818915f8f3 Netherlands (NL) 50e09a46-87a4-407c-84e9-8b94e6bd8b92 Poland (PL) 2d2c9321-c6a1-4012-b3f6-9855505350c2 Norway (NO) fd5cd014-255d-4a2d-8c55-605c4753cc0e Finland (FI) 5a7d4eaa-f26a-42a4-9dec-2a0765a0e307 Netherlands (NL) 658361df-ba83-4426-a492-457fac5960d4 Germany (DE)
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e20ff43d-31ea-49c9-9fd6-b9924cd27144 Denmark (DK)
7267e02b-9601-426f-a695-8a130374e1dd Germany (DE)
aeddd4e7-0471-4496-a567-81f6b984808d Croatia (HR)
0666e35b-539e-482b-a2a8-48ad85728f26 Czech Republic (CZ)
02b9e43b-d0ac-427e-b2dd-e40f610a5535 Poland (PL)
9a53c372-60b2-43da-9ca8-38dd23cd95e0 Netherlands (NL)
fd8230bc-6c6d-4d6f-9079-bc7b58b98627 Netherlands (NL)
e3422e4c-4f68-46ce-8e10-94186b7688d2 Estonia (EE)

Ordering

Order Code US and Canada	XT1NEN125AFF000XXX
E-Number (Finland)	3640534
EAN	8015644013196
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	1.463 kg
Package Level 1 EAN	8015644013196

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 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 _i)	1250 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 (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

