

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
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Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 60.9 %
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

Environmental

Environmental Information	9AKK107991A8215 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-f69d0a5147f Italy (IT)
Simplified SCIP	fd8230bc-6c6d-4d6f-9079-bc7b58b98627 Netherlands (NL) e3422e4c-4f68-46ce-8e10-94186b7688d2 Estonia (EE) 3231d663-48d3-479f-bce5-ede364221a7a 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) 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) 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-ede364221a7a 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) 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 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-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	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

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

