



PRODUCT-DETAILS

XT3N 250 TMD 160-1600 4p F F InN=50%

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General Information	
Extended Product Type	XT3N 250 TMD 160-1600 4p F F InN=50%
Product ID	1SDA068064R1
EAN	8015644019655
Catalog Description	XT3N 250 TMD 160-1600 4p F F InN=50%
Long Description	C.BREAKER TMAX XT3N 250 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A NEUTRAL = 50% PHASES

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 56.6 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2350

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	9AKK108468A2294 9AKK108468A7794
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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	1fede2ee-9fd7-40c5-a1ed-8be7a3cc52de Italy (IT)
Simplified SCIP	c04dff40-db9e-4d07-8e26-077296e31430 Germany (DE) 6ac0070d-4831-415d-9175-30b51c3c5632 Netherlands (NL) b3e4f2d8-8e15-4f48-ab6d-2374d8c337f3 Sweden (SE) 3b74bf50-c391-4327-a305-3296f209692a Germany (DE) 70c2ead9-2ed1-43bf-a95d-2b24c356adc6 Poland (PL) afa7c38a-4877-469e-a14f-2ddc6b4b82a8 Norway (NO) d873296b-aae6-4ffa-9fd4-268100007fc Finland (FI) 6001d11b-ae2b-46af-a08d-afc609705d3f Netherlands (NL) 154eb7e5-fb24-40c4-887e-4f974391960f Germany (DE) 574cdcb4-63e5-48e1-9251-5a8dc7e3e4da Netherlands (NL) 578e4899-f61f-4811-986c-dc6aedc1d047 Croatia (HR) dad19a67-f529-4615-bdae-696c52261fb8 Czech Republic (CZ) ea622b46-2ddb-4e36-817a-e63f817b511b Poland (PL) be288df6-9016-4651-93e9-5bc9f6283f9a Netherlands (NL) 290eda8b-fb02-4193-b063-6260e375a711 Estonia (EE) a24da859-dac9-4416-ae1d-6bf8d384fbac Greece (GR) d6ad4888-fe71-4d92-b7a0-a491efcc6274 Portugal (PT) 2eca4128-396f-4093-a033-0b2fe1f211f5 Bulgaria (BG) 35c6672d-e183-4314-81f7-380d75385d32 Sweden (SE) fd450ef7-927b-4e1f-9906-565d4446b5ed Denmark (DK) c730c4de-c133-49e3-9e24-7b3c57548c29 Poland (PL) 844f864f-1554-4579-a1e6-3a7eac5ef469 France (FR) e37bc8d6-5316-4524-816f-41be9863b96b Germany (DE) eb91fbb1-64a4-41d0-8c20-41a91305c8dd Germany (DE) a3027d55-ebd3-4822-9305-b7ee09a46ac3 France (FR) 7336aeb1-d559-4886-b06f-70f04678a8b5 Netherlands (NL) 713d2b3b-686c-4466-ae8b-bc1e99844423 Spain (ES)

Ordering

Order Code US and Canada	XT3NEN160AFF000XXX
E-Number (Finland)	3641009
EAN	8015644019655
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	140 mm
Product Net Height	150 mm
Product Net Depth / Length	70 mm
Product Net Weight	2.1 kg

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	155 mm
Package Level 1 Height	190 mm
Package Level 1 Depth / Length	155 mm
Package Level 1 Gross Weight	2.1 kg
Package Level 1 EAN	8015644019655

Additional Information	
Circuit Breaker Type to be Associated	Power Distribution
Connecting Capacity Main Circuit	Busbar 85..192 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 7.9 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	160 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)	1600 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) 37.5 kA (230 V AC) 37.5 kA (240 V AC) 37.5 kA (380 V AC) 27 kA (415 V AC) 27 kA (440 V AC) 18.75 kA (500 V AC) 15 kA (525 V AC) 9.75 kA (690 V AC) 3.75 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 50 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(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) 25 kA (500 V AC) 20 kA (525 V AC) 13 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 50 kA
Rated Uninterrupted Current (I_u)	250 A

Recommended Screw Driver	Main Circuit M8
Release	TMD
Release Type	TM
Setting Range	112...160 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
Sub-type	XT3
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	8 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0483

Certificates and Declarations

ATEX Certificate	No certification needed
Data Sheet, Technical Information	1SDC210100D0206 1SDC210099D0206
Declaration of Conformity - CE	9AKK106713A5530
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000720R0100
Mechanical Drawings	1SDH000720R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000720R0001

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)
Class	V11.1 : 27370409

Categories

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

