



PRODUCT-DETAILS

XT3N 250 TMG 160-480 3p F F

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General Information

Extended Product Type	XT3N 250 TMG 160-480 3p F F
Product ID	1SDA068255R1
EAN	8015644021610
Catalog Description	XT3N 250 TMG 160-480 3p F F
Long Description	C.BREAKER TMAX XT3N 250 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMG R 160-480 A

ABB EcoSolutions

ABB EcoSolutions	Yes
ABB Site Meeting Group	UL 2799 Zero Waste To Landfill Validation available
Waste To Landfill Target	
End Of Life Disassembling Instructions	9AKK108468A2350
Environmental Product Declaration - EPD	9AKK108468A2294 9AKK108468A7794
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 56.6 %

Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Toxic Substances Control Act - TSCA	9AKK108467A8326
SCIP	86c55913-ea43-43fb-93cc-3d3d97a3562f Italy (IT)
Simplified SCIP	902eb464-5402-42b7-8f4b-e9c336ac7d1d Germany (DE) 32a2bdec-aafb-443b-8655-8354d6cfd6e Poland (PL) 9c1126aa-dcd9-4032-a202-c3bb78b1b166 Norway (NO) b8932408-1b28-453f-8bc1-25d2cb3029e2 Finland (FI) 1e1a46aa-eff4-46f2-8c68-597b48761e3e Netherlands (NL) ffe6c31f-e2ad-44d8-bb5c-2e16e20e00ec Germany (DE) e74aed43-93c5-4a3c-a928-0cc031031bc3 Denmark (DK) c50eefd8-894d-4668-8a5b-1c3a6f5fc34f Germany (DE) 3362e57a-3009-4030-8e9b-51b31bd55e7c Croatia (HR) acd610d6-f29d-4504-bb21-057ced679ff0 Czech Republic (CZ) d69319f2-e921-494d-af50-a2a7356b106e Poland (PL) 57a26fa2-28e4-4732-aa3a-ba2baf1717f8 Netherlands (NL) 630b86a3-76a7-45d4-821a-555b3b9018b4 Netherlands (NL) 81695357-ac6a-4228-a01a-75a717112c49 Estonia (EE) 31379db5-5681-4262-a82a-97a8a651c639 Greece (GR) 65ec7561-f087-4697-9b8a-3897bf4b0a73 Germany (DE) e124bf57-f973-480b-9902-2d105053b816 France (FR) 0b949117-a37b-4d43-9a4b-cc3fba48312d Netherlands (NL) 2fced897-70be-4063-86ad-835354bd6788 Spain (ES) 170efff1-6292-40d2-bc21-c2596218b88e Netherlands (NL) 22da840d-f42e-4fbf-83fe-160a344b238a Portugal (PT) 43397c88-908e-4fdf-a903-f8ba31d50e7d Bulgaria (BG) 13cc3b65-0fc7-40e2-8063-f242b0383f44 Sweden (SE) ad80e5f5-7a0d-423a-893a-9e2daf5c05cd Poland (PL) 2e2add87-6aa5-44bd-b235-f059cb95524e France (FR) 05c4f95a-7842-4827-ab7e-64eab411eae0 Sweden (SE) 479734ad-ae70-4a85-8c7a-e0364c23399d Germany (DE)

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT3NE3160NFF000XXX
E-Number (Norway)	4379793
EAN	8015644021610
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	105 mm
Product Net Height	150 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.7 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	1.7 kg
Package Level 1 EAN	8015644021610

Additional Information

Circuit Breaker Type to be Associated	Generator Protection
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Version	F
CAD Dimensional Drawing	1SDH001295R0409

Technical

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	3P
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
Rated Current (I_n)	160 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	480 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) 27 kA (415 V AC) 36 kA (440 V AC) 19 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) 36 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
Rated Voltage (U_r)	690 V
Recommended Screw Driver	Main Circuit M8
Release	TMG
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

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

External Classifications and Standards

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

