



PRODUCT-DETAILS

XT1N 160 TMD 100-1000 3p F F

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General Information

Extended Product Type	XT1N 160 TMD 100-1000 3p F F
Product ID	1SDA067416R1
EAN	8015644013103
Catalog Description	XT1N 160 TMD 100-1000 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A

ABB EcoSolutions

ABB EcoSolutions	Yes
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Circular Value

Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
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	9dc23701-0389-4d5d-9536-ba4ecc672f9f Italy (IT)
Simplified SCIP	dd3b120b-cdd6-4746-84e1-3b6ba8deac82 Germany (DE) 8ebd8f62-f8d3-47fd-bae4-333e0a218076 Greece (GR) db9cca29-2669-426f-bf76-0e2f3f91228f Portugal (PT) 01cd358c-7878-4350-a8cb-ad98bcd704c Bulgaria (BG) b0a036f2-b8f0-4f7f-aefc-8d094fa47899 Sweden (SE) 996ed7e4-edc7-4d81-aaaa-2cb3aad20176 Poland (PL) 8fd3fa87-f754-4249-8c2f-b59e41939151 France (FR) c53d77de-041e-4093-a986-0c6cc61f57c5 Sweden (SE) 84ac0468-5c88-4c5d-8651-f235b69841f9 Norway (NO) fbb53485-dd85-4069-8b43-658e7c5756b5 Finland (FI) d200e345-117c-45cc-aa41-8ed4a9afed60 Netherlands (NL) 1a85d563-57df-4b20-b426-89ccb3c219e0 Germany (DE) e9fc3286-418a-43e6-a8da-5755bebb9679 Denmark (DK) b375cf2b-78f3-4e1e-ae01-a1a61a24b8a8 Germany (DE) d6dca289-557a-48dd-b4aa-fd4b82c36b75 Croatia (HR) 83b9a438-3162-4bc0-be90-1012a3e4b3fc Poland (PL) 4f0681cb-c9f4-4a2f-abaf-3d07ac967890 Germany (DE) 3b489665-c6a7-4f01-ac7f-d84483cd1553 France (FR) e6c6fa22-a8fe-4514-a81d-fcf5be2a7031 Netherlands (NL) c4a7c5cf-16cb-45a7-8b0f-07ab801af36a Spain (ES) 83b9a438-3162-4bc0-be90-1012a3e4b3fc Poland (PL) 84ac0468-5c88-4c5d-8651-f235b69841f9 Norway (NO) fbb53485-dd85-4069-8b43-658e7c5756b5 Finland (FI) b0a036f2-b8f0-4f7f-aefc-8d094fa47899 Sweden (SE) 2bcd0110-606e-4b4a-96e7-796264c5d0b9 Netherlands (NL) 996ed7e4-edc7-4d81-aaaa-2cb3aad20176 Poland (PL) 8fd3fa87-f754-4249-8c2f-b59e41939151 France (FR) c53d77de-041e-4093-a986-0c6cc61f57c5 Sweden (SE) 8b19cf35-ed11-4fe7-8969-08b832056cec Germany (DE) 3acf60b8-4063-465a-b3fd-a4c165e3f530 Czech Republic (CZ) 5dc72b3c-ae87-4b2b-b761-495b6eb5d7eb Poland (PL) cb2acb5b-5523-4886-9a78-19a9c1e14bee Netherlands (NL) 1216d8d6-e907-4c14-bafd-557686032dbe Netherlands (NL) 87f2c02c-07fc-4c8f-9140-875e6fa9b620 Estonia (EE) 8ebd8f62-f8d3-47fd-bae4-333e0a218076 Greece (GR) db9cca29-2669-426f-bf76-0e2f3f91228f Portugal (PT) 8b19cf35-ed11-4fe7-8969-08b832056cec Germany (DE) 4f0681cb-c9f4-4a2f-abaf-3d07ac967890 Germany (DE) 3b489665-c6a7-4f01-ac7f-d84483cd1553 France (FR) e6c6fa22-a8fe-4514-a81d-fcf5be2a7031 Netherlands (NL) c4a7c5cf-16cb-45a7-8b0f-07ab801af36a Spain (ES) 2bcd0110-606e-4b4a-96e7-796264c5d0b9 Netherlands (NL) 01cd358c-7878-4350-a8cb-ad98bcd704c Bulgaria (BG) d200e345-117c-45cc-aa41-8ed4a9afed60 Netherlands (NL) 1a85d563-57df-4b20-b426-89ccb3c219e0 Germany (DE) e9fc3286-418a-43e6-a8da-5755bebb9679 Denmark (DK) b375cf2b-78f3-4e1e-ae01-a1a61a24b8a8 Germany (DE) d6dca289-557a-48dd-b4aa-fd4b82c36b75 Croatia (HR) 3acf60b8-4063-465a-b3fd-a4c165e3f530 Czech Republic (CZ) 5dc72b3c-ae87-4b2b-b761-495b6eb5d7eb Poland (PL) cb2acb5b-5523-4886-9a78-19a9c1e14bee Netherlands (NL) 1216d8d6-e907-4c14-bafd-557686032dbe Netherlands (NL) 87f2c02c-07fc-4c8f-9140-875e6fa9b620 Estonia (EE)

Ordering

E-Number (Finland)	3640527
E-Number (Sweden)	3182429
EAN	8015644013103
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.1 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	1.133 kg
Package Level 1 EAN	8015644013103

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	3
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 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	100 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_t)	1000 A
Rated Insulation Voltage (U_i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity	(220 V AC) 50 kA (230 V AC) 50 kA

(I _{cs})	(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
RoHS Date	NA
Setting Range	70...100 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	1SDH001295R0008

Certificates and Declarations

ATEX Certificate	No certification needed
Data Sheet, Technical Information	2CDC210017C0101 1SDC210100D0206 1SXF210033C2001 1SDC210099D0206 1SXF210034C2001
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
Object Classification Code	Q
UNSPSC	39120000
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Where Used (as part of "kit")		
Identifier	Description	Type
3HAC058321-001	Circuit breaker, w term.	Kit

Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT
Robotics → Controllers → IRC5 → IRC5 Process Module

