



PRODUCT-DETAILS

XT1N 160 TMD 40-450 3p F F

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General Information	
Extended Product Type	XT1N 160 TMD 40-450 3p F F
Product ID	1SDA067412R1
EAN	8015644013066
Catalog Description	XT1N 160 TMD 40-450 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 40-450 A

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 (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	848fe73d-3ecc-4485-bbef-f2dec965f3a5 Italy (IT)
Simplified SCIP	420b6837-de7d-4bd1-9b36-33bb9784cf52 Belgium (BE) dd86a351-c853-4974-861b-1cfac369457b Spain (ES) 154d20fb-5c46-44dd-8ac8-a0b427001ce2 France (FR) c6104aa2-5e11-448e-8dc7-0625a9587a81 Denmark (DK) 4dce0847-a9d7-4ef5-be92-d25bf5bd5abb Sweden (SE) 1a1116b9-2f0d-47c7-bc03-e330b4f6ed05 Germany (DE) d4851bc2-3e98-4339-832b-5aaec40f4f87 Croatia (HR) c03712dc-bed8-4751-8170-8c71892a13f0 Germany (DE) 265df65c-9459-4bb0-b3c8-d109ae59a186 Czech Republic (CZ) b624c864-c9b6-4e70-97aa-6eeb5070a281 Germany (DE) ef479331-30d5-437b-a278-5cbc9b945a9d Germany (DE) 9fef5a66-1712-4946-9e76-ac21b568edfd Hungary (HU) bc71b1e7-e458-460d-98f3-a122bb230cd9 Portugal (PT) d9a7f657-2b46-4804-a7da-99ff774bea68 Poland (PL) 44639bb5-7fcf-422b-8e2b-5e7deeb5af01 Bulgaria (BG) 21411aac-cb8a-4a0d-95c2-979a92878952 Poland (PL) c731cdd8-14e9-44b4-900b-490e2fce8db6 Germany (DE) 2a8f7c1c-a8d7-4fc6-b20c-7f82aec243a3 Estonia (EE) 35bc22fd-33d7-4641-8228-947203a00961 Belgium (BE) d801a270-4410-4546-9cad-0c679bd4d03e Greece (GR) 87b6d777-b996-470b-a703-53e5010a590d France (FR) f5bd22de-f07b-42cd-9052-3f5d890a532a Poland (PL) b7794e80-d1c0-4840-940f-6f4fc3aad3e6 Hungary (HU) 4f0c67dd-f132-4c60-8c54-26c21ed62a24 Finland (FI) d78ad1ad-48e4-4a0e-ae8a-d02fea224f6a Sweden (SE) 515bff57-ce73-49ee-88a2-b45fb6668cc9 Norway (NO) aa7c55c8-ee4d-468d-9403-20b0fc1474ad Netherlands (NL)

Ordering

Order Code US and Canada	XT1NE3040AFF000XXX
E-Number (Finland)	3640523
EAN	8015644013066
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	1.137 kg
Package Level 1 EAN	8015644013066

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	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 2.6 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	40 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)	450 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	28...40 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	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

