



PRODUCT-DETAILS

XT1N 160 TMF 20-450 3p F F

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General Information	
Extended Product Type	XT1N 160 TMF 20-450 3p F F
Product ID	1SDA080828R1
EAN	8015644873462
Catalog Description	XT1N 160 TMF 20-450 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 20-450 A

ABB EcoSolutions	
ABB EcoSolutions	Yes
ABB Site Meeting Group Waste To Landfill Target	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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	065d76dc-4866-4238-a2d1-09fa42dd2cb5 Italy (IT)
Simplified SCIP	607d8d60-0432-4779-831c-4f1cb587e313 Hungary (HU) a36a9d8e-cba2-455a-8adb-f44f4669a25e Finland (FI) c8b5f88e-4d8a-406b-a3d3-5badce908e68 Denmark (DK) cb4a7fb7-1f02-45bf-9367-5c4fe290cdea France (FR) 8dc3f902-f0b6-48ba-bae5-a49cce8d8462 Belgium (BE) b72fb2b8-bf54-4eef-872b-88cbcdf30a5f Spain (ES) 87f04c8e-0af0-4cb8-bd8a-ab459a84d5f6 Germany (DE) b9953d49-c7d2-42e5-b710-f9ef62f4b854 Czech Republic (CZ) 4963115d-b548-4ad5-9631-12086f5f7e35 Germany (DE) e8f1d9f5-91c7-4768-b5e9-b474e4b3fb95 Sweden (SE) 260dacao-90cb-47b4-baf1-2c2cc1a64e36 Germany (DE) c73e3a3a-bd80-489c-a70e-0f469c898ccb Croatia (HR) c5d8b5ba-2087-4ce8-b656-93fbaa27321b Germany (DE) 17c3b421-ef43-4005-8a15-b5bf16edeb46 Portugal (PT) 5a1bc370-26fe-4ffa-b478-e6248af0bd28 Poland (PL) 625f19c9-b05f-436b-b11f-abe5355adc76 Hungary (HU) 439f4bd8-4fa2-4ff4-b975-4912a8501d15 Norway (NO) 2c15a82b-b14e-47d0-87ed-85e76da4d129 Bulgaria (BG) 9b94776b-9a9c-436a-aab7-676f7c12eb05 Poland (PL) 01dffaa7-71b7-4701-97dc-50013b1174a0 France (FR) 03d4a0ba-21d9-44bb-88d4-e1bb315ff13f Greece (GR) 13433f2a-a7e3-4970-a905-90c47ef541c0 Germany (DE) 9bde9240-c090-427e-aeb9-7f2e6ead1b43 Netherlands (NL) 002c0ab8-38e1-4cce-9a7c-4969801dfc6c Sweden (SE) 06d4c4c6-4286-4c66-b3ff-835ae8c09f17 Estonia (EE) d4131551-72e6-40c6-a5f0-1d87c7aec611 Belgium (BE) e973c807-6821-4c1f-8fc6-1e3ea32313e1 Poland (PL)

Environmental	
Environmental Information	9AKK108467A6707

Ordering	
Order Code US and Canada	XT1NE3020AFF000XXX
E-Number (Finland)	3640532
E-Number (Norway)	4379224
EAN	8015644873462
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions	
Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth /	70 mm

Length	
Product Net Weight	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	1.1 kg
Package Level 1 EAN	8015644873462

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Version	F
CAD Dimensional Drawing	1SDH001295R0008

Technical

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
Rated Current (I _n)	20 A
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
Rated Voltage (U _r)	690 V
Release	TMF
Release Type	TM
Setting Range	20 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
Sub-type	XT1
Terminal Connection Type	Front

Certificates and Declarations

Data Sheet, Technical Information	1SDC210100D0206
	1SDC210099D0206
Declaration of Conformity - CE	9AKK106713A5532
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0001

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
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

