



PRODUCT-DETAILS

XT1C 160 TMD 80-800 3p F F

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General Information	
Extended Product Type	XT1C 160 TMD 80-800 3p F F
Product ID	1SDA067396R1
EAN	8015644695200
Catalog Description	XT1C 160 TMD 80-800 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 80-800 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Principles Recyclability Rate	
End of Life Instructions	
End of Life Instructions	9AKK108468A2347

Group Waste to Landfill
Target

UL 2799 Zero Waste To Landfill Validation available

Eco Transparency

Environmental Product	9AKK108468A1890
Declaration - EPD	9AKK108468A7793

Environmental

Environmental Information	9AKK108467A6707
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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	62bbce4d-080f-4d86-9d81-b900472c629b Italy (IT)
Simplified SCIP	479f51fc-294e-4dd6-895e-e829ac0b81e1 Poland (PL) 55b895cf-afa9-4baa-9ab8-1a4e51392550 France (FR) 2ff5a69b-4b7b-4aa0-aaca-580fc33c244a Sweden (SE) c6d4ab2c-2876-4862-a074-95b19ec7a5db Germany (DE) 0564b919-5fdc-4fac-83de-b868b1cf479a Hungary (HU) 30e03275-97e9-43fd-950a-c41477e4f724 Hungary (HU) 3f2635c8-8b68-4411-83d9-38c9ab429218 Germany (DE) b059d5cc-c10c-470b-b91a-8c5fba296910 Poland (PL) 352d50a8-6362-4006-aab7-149019f3a151 Netherlands (NL) ddd923fd-da41-4ae8-91dc-fc97e42eee32 Bulgaria (BG) 9afe4ace-6b6c-49ee-9880-5a365d758903 Belgium (BE) 752d4914-a434-422a-bf45-6467cc38fa93 Spain (ES) a1bdc34a-9ba6-4c5a-8124-e25737c8623e Sweden (SE) 59c45024-6b55-426e-939d-feef3baa0f33 Poland (PL) 76b7bfaf-8556-461f-9862-8cef9d327ecc Norway (NO) 99ecf823-5fdb-4e14-abf2-810261830484 Finland (FI) 7385ef91-2bd9-48a2-8c37-7dd4b14991c9 Belgium (BE) d34e8069-d92d-4d9f-bce5-dfbd55f31e6d Germany (DE) f93d3bb5-6874-4bfb-bc53-7426f177f77d Greece (GR) 264b5eaa-e9ff-4830-b97e-bc7991ec2f8c Portugal (PT) abf903d0-ee30-4afb-bf25-aff4181635e9 Germany (DE) 6ac49de9-8f8e-476d-816d-1483a6ffa760 Croatia (HR) 0acc9fa6-ca0e-4ffb-b2ca-63b2beae6d3f Czech Republic (CZ) 3e3ac273-7275-4ca1-b62e-88cce695e24b Germany (DE) 34880d7b-26c8-439a-b0c3-541a658baddc Estonia (EE) eb832ab9-ab8e-4a4f-8384-e601ee2473be Denmark (DK)

Ordering

Order Code US and Canada	XT1CE3080AFF000XXX
E-Number (Finland)	3638627
EAN	8015644695200
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	8015644695200

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	
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 4.8 W
Rated Current (I _n)	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	800 A
Rated Insulation Voltage (U _i)	800 V
Rated Operational	690 V AC

Voltage	500 V DC
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA
Rated Uninterrupted Current (I _u)	160 A
Rated Voltage (U _r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	56...80 A
Short-Circuit Performance Level	C
Standards	IEC60947-2
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m

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 8	EC000228 - Power circuit-breaker for trafo/generator/installation
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	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

