



PRODUCT-DETAILS

# XT1C 160 TMD 80-800 3p F F

## XT1C 160 TMD 80-800 3p F F



### 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
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### Circular Value

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

Group Waste to Landfill  
Target

UL 2799 Zero Waste To Landfill Validation available

### Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
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### 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-bc53-7426f17f77d 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 <sup>2</sup>
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 <sub>n</sub> )	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	800 A
Rated Insulation Voltage (U <sub>i</sub> )	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

ETIM 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection	protection
Object Classification Code		Q
UNSPSC		39120000
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)	
eClass		V11.1 : 27370409

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## Categories

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Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

