



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
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	62bbce4d-080f-4d86-9d81-b900472c629b Italy
Simplified SCIP	479f51fc-294e-4dd6-895e-e829ac0b81e1 Poland 55b895cf-afa9-4baa-9ab8-1a4e51392550 France 2ff5a69b-4b7b-4aa0-aaca-580fc33c244a Sweden c6d4ab2c-2876-4862-a074-95b19ec7a5db Germany 0564b919-5fdc-4fac-83de-b868b1cf479a Hungary 30e03275-97e9-43fd-950a-c41477e4f724 Hungary 3f2635c8-8b68-4411-83d9-38c9ab429218 Germany b059d5cc-c10c-470b-b91a-8c5fba296910 Poland 352d50a8-6362-4006-aab7-149019f3a151 Netherlands ddd923fd-da41-4ae8-91dc-fc97e42eee32 Bulgaria 9afe4ace-6b6c-49ee-9880-5a365d758903 Belgium 752d4914-a434-422a-bf45-6467cc38fa93 Spain a1bdc34a-9ba6-4c5a-8124-e25737c8623e Sweden 59c45024-6b55-426e-939d-feef3baa0f33 Poland 76b7bfaf-8556-461f-9862-8cef9d327ecc Norway 99ecf823-5fdb-4e14-abf2-810261830484 Finland 7385ef91-2bd9-48a2-8c37-7dd4b14991c9 Belgium d34e8069-d92d-4d9f-bce5-dfbd55f31e6d Germany f93d3bb5-6874-4bfb-bc53-7426f177f77d Greece 264b5eaa-e9ff-4830-b97e-bc7991ec2f8c Portugal abf903d0-ee30-4afb-bf25-aff4181635e9 Germany 6ac49de9-8f8e-476d-816d-1483a6ffa760 Croatia 0acc9fa6-ca0e-4ffb-b2ca-63b2beae6d3f Czech Republic 3e3ac273-7275-4ca1-b62e-88cce695e24b Germany 34880d7b-26c8-439a-b0c3-541a658baddc Estonia eb832ab9-ab8e-4a4f-8384-e601ee2473be Denmark

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1CE3080AFF000XXX
E-Number (Finland)	3638627
E-Number (Norway)	4309616
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
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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	3P
Opening Time	CB with SOR 30 ms CB with UVR 30 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 Voltage	690 V AC 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

Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(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
	(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

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
Object Classification Code	Q
UNSPSC	39120000
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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

