



PRODUCT-DETAILS

# XT1C 160 TMD 100-1000 3p F F

## XT1C 160 TMD 100-1000 3p F F



General Information	
Extended Product Type	XT1C 160 TMD 100-1000 3p F F
Product ID	1SDA067397R1
EAN	8015644012915
Catalog Description	XT1C 160 TMD 100-1000 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

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 9965ca99-affa-4173-b6ec-86c5b94f7e15 Italy (IT)

Simplified SCIP	Obaf7834-5c1e-4ab6-92f8-fe1c0c18d111 Germany (DE) 690bbaca-e914-49b1-b061-fadc8cb41754 Netherlands (NL) 1d9c93da-ce2a-496b-963a-5aa10a5952ea Netherlands (NL) faccd3ac-7bd6-452b-b339-f3e8650b7ed7 Germany (DE) 3971316a-abb7-4fb7-a3a4-b645aa241259 Denmark (DK) adf816cc-8afa-408f-b37f-84d38645b9ce Germany (DE) f57e9c1b-e394-43c6-92b6-24992fec4513 Croatia (HR) a23327a4-9935-4203-a9d5-741ba39df896 Czech Republic (CZ) b8b0676f-7b3e-4d5c-aa3c-7b6ebfe5bc3e Netherlands (NL) 678300f8-ecd0-4b74-8804-18f219da3ae0 Netherlands (NL) 2d166b04-bfde-406d-ae1b-a2d4f9a45c1f Estonia (EE) 769c0bf8-bb50-4b05-90d1-f148493e2e93 Greece (GR) c222885d-c4e3-48f8-aa94-67f29ec03c2e Portugal (PT) 0fa0c29c-f77e-4742-bd29-9f67a5dd58e7 Bulgaria (BG) 3a1ec757-f5bc-4fe2-a796-b80d5848b865 Sweden (SE) 3380a59b-f15a-4f8b-8fe2-54d228c70377 Poland (PL) 25e84eae-96f0-42ce-9d7d-9dfb5f5ce2a5 France (FR) dafbc307-d434-4abc-8c03-c64d3fc1c333 Sweden (SE) 3b414454-d89f-4090-bb59-470a3c7330ea Germany (DE) 59695450-664d-4372-9510-6f5c4ac5ad03 Germany (DE) 35ec2353-58cd-472a-b909-85aa064a6204 Spain (ES) 95a1642c-9a73-4d2e-8a1b-c20ad5fc8a6c Netherlands (NL) 5ec14cea-f544-4faa-ab16-fd3819a27732 Poland (PL) ca56bfe2-177d-4ed2-a416-d34db5ca5989 Poland (PL) 37ce67d3-3a1a-4ca0-b8ae-7bf5eec07bd9 Finland (FI) 3f937e08-97bb-4c73-ac98-fbbab57d1a84 Norway (NO) b394e0ce-ed58-41d4-9e52-9fc27c75e4e8 France (FR)
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### Ordering

Order Code US and Canada	XT1CE3100AFF000XXX
E-Number (Finland)	3638777
EAN	8015644012915
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	1.136 kg
Package Level 1 EAN	8015644012915

### 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 7 W
Rated Current (I <sub>n</sub> )	100 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> )	1000 A
Rated Insulation Voltage	800 V

(U <sub>i</sub> )	
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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 <sub>cu</sub> )	(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 <sub>u</sub> )	160 A
Rated Voltage (U <sub>r</sub> )	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	70...100 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

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## Classifications

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

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## Categories

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

