



PRODUCT-DETAILS

XT1C 160 TMD 100-1000 3p F F

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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	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Principles Recyclability Rate	
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	9965ca99-affa-4173-b6ec-86c5b94f7e15 Italy (IT)
Simplified SCIP	0baf7834-5c1e-4ab6-92f8-fe1c0c18d111 Germany (DE) 690bbaca-e914-49b1-b061-fadc8cb41754 Netherlands (NL) 1d9c93da-ce2a-496b-963a-5aa10a5952ea Netherlands (NL) facc3ac-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-c64d3fcl333 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)

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 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 7 W
Rated Current (I _n)	100 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	1000 A
Rated Insulation Voltage	800 V

(U_i)

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 (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	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

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

Categories

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

