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
Display Name:	XT1C 160 TMD 100-1000 3p F F

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
Extended Product Lifetime:	Product Modularity

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Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

REACH Declaration:	9AKK108466A1425
RoHS Declaration:	9AKK108466A1424
RoHS Information:	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
Simplified SCIP:	0baf7834-5c1e-4ab6-92f8-fe1c0c18d111 Germany 690bbaca-e914-49b1-b061-fadc8cb41754 Netherlands 1d9c93da-ce2a-496b-963a-5aa10a5952ea Netherlands faccd3ac-7bd6-452b-b339-f3e8650b7ed7 Germany 3971316a-abb7-4fb7-a3a4-b645aa241259 Denmark adf816cc-8afa-408f-b37f-84d38645b9ce Germany f57e9c1b-e394-43c6-92b6-24992fec4513 Croatia a23327a4-9935-4203-a9d5-741ba39df896 Czech Republic b8b0676f-7b3e-4d5c-aa3c-7b6ebfe5bc3e Netherlands 678300f8-ecd0-4b74-8804-18f219da3ae0 Netherlands 2d166b04-bfde-406d-ae1b-a2d4f9a45c1f Estonia 769c0bf8-bb50-4b05-90d1-f148493e2e93 Greece c222885d-c4e3-48f8-aa94-67f29ec03c2e Portugal 0fa0c29c-f77e-4742-bd29-9f67a5dd58e7 Bulgaria 3a1ec757-f5bc-4fe2-a796-b80d5848b865 Sweden 3380a59b-f15a-4f8b-8fe2-54d228c70377 Poland 25e84eae-96f0-42ce-9d7d-9dfb5f5ce2a5 France dafbc307-d434-4abc-8c03-c64d3fc1c333 Sweden 3b414454-d89f-4090-bb59-470a3c7330ea Germany 59695450-664d-4372-9510-6f5c4ac5ad03 Germany 35ec2353-58cd-472a-b909-85aa064a6204 Spain 95a1642c-9a73-4d2e-8a1b-c20ad5fc8a6c Netherlands 5ec14cea-f544-4faa-ab16-fd3819a27732 Poland ca56bfe2-177d-4ed2-a416-d34db5ca5989 Poland 37ce67d3-3a1a-4ca0-b8ae-7bf5eec07bd9 Finland 3f937e08-97bb-4c73-ac98-fbbab57d1a84 Norway b394e0ce-ed58-41d4-9e52-9fc27c75e4e8 France

Environmental

Environmental Information:	9AKK108467A6707

Ordering

Order Code US and Canada:	XT1CE3100AFF000XXX
E-Number (Finland):	3638777
E-Number (Norway):	4309617
EAN:	8015644012915
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362090

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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:	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 7 W
Rated Current (I_n):	100 A
Rated Frequency (f):	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	8 kV

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Subject to change without notice

Rated Instantaneous Short-Circuit Current Setting (I_i):	1000 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 (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

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Wiring Diagram:	1SDM000068R0001
Instructions and Manuals:	1SDH000719R0001

External Classifications and Standards

ETIM 9:	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 10:	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

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

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