



PRODUCT-DETAILS

XT1N 160 TMD 25-450 3p F F

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Submitted by TECO Group

General Information	
Extended Product Type:	XT1N 160 TMD 25-450 3p F F
Product ID:	1SDA080829R1
EAN:	8015644873479
Catalog Description:	XT1N 160 TMD 25-450 3p F F
Long Description:	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 25-450 A
Display Name:	XT1N 160 TMD 25-450 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

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:	4f732c04-da59-46ec-be08-b02d40594d67 Italy
Simplified SCIP:	54bfab12-fffd-41e1-81cf-27745fc89289 Poland 95cfeebc-2d78-40ac-bb04-a6a319c63919 Germany 9f04b21c-08e8-4678-bb6f-727f921c9b64 France 99cd369a-c41d-4846-9206-f6ed3688dfb9 Sweden a1ec2e80-07f1-45ea-b6fc-0ccdf2b9155e Germany 0b02a490-25a6-4511-8b12-be0ad33b44e4 Bulgaria bcdb250e-a18f-4f04-939b-37e9e072ebb5 Hungary 7bbde00e-c7f5-452c-8dd7-ae6129c5ebe4 France 3eb89ecd-94cf-4f9e-897d-188cc4965f95 Belgium 415e8b3d-be88-4c9a-83eb-674e53076c28 Spain d7833592-adfc-483e-9920-6fb2d8529246 Portugal 7d756db2-9e1d-4ed5-9292-515c07b53c62 Croatia f38bcb15-3246-4645-ae39-bf4648007428 Greece 3df29214-5319-430c-9cba-983b1f703e95 Estonia faac1efa-2de9-46cb-8c3d-98b106f95f10 Netherlands dde803ff-8055-43b7-bef8-638da0b437f6 Hungary d3058aac-b1c6-446c-b484-a9d6cd1065b7 Denmark 0a5e529e-b8a3-4b13-8a3d-1309cfdde5c4 Germany 7bdd20e7-bfd1-47a0-999f-0977285a20d9 Poland 53236f74-3cc7-44e2-b4fd-0370a236b293 Czech Republic 3c4f9c4f-d334-46e4-9dbe-0dabe554b5aa Sweden a21796d3-5ef1-44fb-9e43-4d4a82be60f7 Poland 732d2850-3bae-4df8-94e4-9f0153395e4d Finland 2386d884-855a-48ac-b106-c2b91a453f11 Germany 858577bf-3bf0-48dc-8dca-8dec2b6df521 Belgium f25fe13b-f58d-40db-bc46-b524f68b28da Norway 54041801-8a2c-419c-a1fb-1f17326bbab5 Germany

Environmental

Environmental Information:	9AKK108467A6707
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Ordering

Order Code US and Canada:	XT1NE3025AFF000XXX
E-Number (Finland):	3640528
E-Number (Norway):	4379202
EAN:	8015644873479
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 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:	1.1 kg
Package Level 1 EAN:	8015644873479

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

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:	6 W
Rated Current (I_n):	160 A
Rated Impulse Withstand Voltage (U_{imp}):	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i):	450 A
Rated Insulation Voltage (U_i):	800 V

Rated Operational Voltage:	690 V
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(220 V AC) 50 kA (230 V AC) 50 kA (240 V AC) 50 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 18 kA (500 V AC) 15 kA (525 V AC) 11 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 36 kA (500 V AC) 30 kA (525 V AC) 22 kA (690 V AC) 6 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 kA
Rated Uninterrupted Current (I_u):	160 A
Rated Voltage (U_r):	690 V
Release:	TMD
Release Type:	TM
Setting Range:	17.5...25 A
Short-Circuit Performance Level:	N
Standards:	IEC60947-2
Sub-type:	XT1
Terminal Connection Type:	Front

Certificates and Declarations

Data Sheet, Technical Information:	1SDC210100D0206 1SDC210099D0206
Declaration of Conformity - CE:	9AKK106713A5532
Mechanical Drawings:	1SDH000719R0100
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
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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