PRODUCT-DETAILS

XT1N 160 TMD 40-450 4p F F

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Submitted by TECO Group

General Information

Extended Product Type	XT1N 160 TMD 40-450 4p F F
Product ID	1SDA067420R1
EAN	8015644013141
Catalog Description	XT1N 160 TMD 40-450 4p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 40-450 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 %

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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	bb45f1da-8cc1-46d6-83b6-a1b3baf6ac67 Italy
Simplified SCIP	06a16227-9a23-4383-a0e5-7b7175dca117 Belgium e56b0d92-46c4-4721-970f-3af3b889864e Spain 0fc7925a-dcc0-4543-9d65-15d0e9522adb France 6d3efead-2c74-4337-8835-080e289b47a4 Germany d23204a9-469f-4a2e-a9c1-81106c28d8cd Czech Republic dd717899-506f-4f7c-8d96-b08a31f29bda Croatia 95ca9790-495b-479b-8d24-2348be24b5cc Germany fefd45ff-5354-4cb5-9ee8-8fd8e9e845e6 Denmark a8c86710-5d69-43e7-953c-796232bdbcd1 Germany 624a7f18-ebf7-436d-88ca-75a07a63c7ab Sweden 586a90a7-18f8-455d-98a8-f4e432b26fe3 Poland 8e60a9c0-db05-4620-8a18-6ab9d9a3be1e Estonia 3c533264-addc-44ac-8251-fb304cb503b6 Greece 95a52950-6026-4eaf-a420-63e651313792 Belgium f9c309e9-d281-4301-879a-417a66bdbd5c Germany 1ac3a81d-e4cc-451d-946f-5bce449aa7cf France 2612acbc-c08b-4c40-9ed5-59287e2be748 Poland fe69ad38-e8e0-47bc-a9b7-3c53b49672ae Hungary 82760656-0550-4b3a-84bc-25a3f98b5c9e Portugal bbd1646d-d373-4851-bb91-b2ff51bf9de0 Germany b0598f26-f85c-4e4d-97cf-1274950ae30b Sweden cf070818-0ede-42d5-b70a-9bb9b0e27a41 Netherlands 5d2d773d-1c51-4406-8052-2af850322ac6 Norway baba48c7-474d-4919-9638-cff3a8cb00cc Hungary 7268b0d5-b5bf-4500-b2ef-13fc5aea72b8 Finland 8a4bcb19-74bc-4cb1-bd90-b1a712ead71c Bulgaria 843937e6-dbd9-4007-acff-baf15d2b4c44 Poland

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Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1NE4040AFF000XXX
E-Number (Finland)	3640540
E-Number (Norway)	4379233
EAN	8015644013141
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth /	70 mm

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Length	
Product Net Weight	1.4 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	1.43 kg
Package Level 1 EAN	8015644013141

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	1SDH001295R0080

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Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	4P
Opening Time	CB with SOR 30 ms CB with UVR 30 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 2.6 W
Rated Current (I_n)	40 A
Rated Frequency (f)	50 / 60 Hz
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 AC 500 V DC
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

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	(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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	28...40 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m

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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 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

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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

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