PRODUCT-DETAILS

XT1N 160 TMF 16-450 3p F F

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General Information

Extended Product Type	XT1N 160 TMF 16-450 3p F F
Product ID	1SDA080827R1
EAN	8015644873455
Catalog Description	XT1N 160 TMF 16-450 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 16-450 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 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	bab57cb4-245d-44be-bf03-c5b43170495f Italy
Simplified SCIP	0ff67b66-9393-4f4b-8f5f-a17f64d2be5d Finland 33253106-5ca0-4526-9533-bdadea09e443 Hungary 498f8cb1-1144-4233-b2da-7f77194abdaa France bed42174-22d5-44c5-825f-930a509434d9 Spain c1e394ba-ae25-477b-b7eb-41d9bf76e9e1 Belgium e0dac05e-e1bd-4d4d-9b78-cd7f3819e5b2 Germany 3de44331-1772-443c-92d5-420b325fac62 Czech Republic b93fbbdb-806b-4f85-ad2e-e80a1115ec1a Croatia 15fbfd28-b2e7-4b5d-a137-b6f169f1de24 Germany 4051a5d0-7a42-4fde-822b-ab36eacae1e5 Sweden f5024ea2-de39-45f6-aea7-22a156c7bcd4 Germany 7766981b-f293-417d-8b77-4664d575a931 Denmark 90530b91-c871-4067-8c24-b38668043f31 Germany 8b716e70-3566-446c-a452-4d7d4fa36d8b Hungary 5f241e40-ba8d-46ac-9bee-578c560ace2e Portugal b24c2a99-4952-4ac7-b469-2dc063c115f3 Poland 22cf4870-2a6b-418e-99b6-5478ece1d46d Bulgaria fa4c15fc-e5c5-49de-bc87-f0352eb68ef8 Poland ba3f723e-560c-46ec-a4d5-2528743cbf58 Germany 91044a1f-bf91-4a05-a740-a940a4d580a9 Greece fc389803-df5d-4fc1-899f-ec9386da37c6 France b73a9713-b996-43fe-8b64-b301598e1df4 Estonia 96aa8a9b-18fb-4323-abe1-c46b4a275506 Belgium 8a6089c7-f76b-47ab-a558-5b3e91f2160f Norway c4f93059-ee47-47ae-87ca-6196e662f86b Sweden ccd75dfb-28c8-4a3c-8c48-6b229ce02d1b Netherlands 3f24730a-504f-4421-ab70-11492729f4ec Poland

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1NE3016AFF000XXX
E-Number (Finland)	3640531
E-Number (Norway)	4379223
EAN	8015644873455
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth /	70 mm

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Length	
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	8015644873455

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
Rated Current (I_n)	16 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 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 (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

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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	TMF
Release Type	TM
Setting Range	16 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

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







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