



PRODUCT-DETAILS

XT1N 125 TMF 20-500 3p F F UL/CSA
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General Information	
Extended Product Type	XT1N 125 TMF 20-500 3p F F UL/CSA
Product ID	1SDA074635R1
EAN	8015644785024
Catalog Description	XT1N 125 TMF 20-500 3p F F UL/CSA
Long Description	C.BREAKER TMAX XT1N 125 UL/CSA FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 20-500 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Conflict Minerals Reporting Template	9AKK108467A5658

(CMRT)

End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available
Toxic Substances Control Act - TSCA	9AKK108467A8326

Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890
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Environmental

Environmental Information	9AKK108467A6707
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	dec62d62-6ff8-4fd2-8029-325c859957a2 Italy (IT)
Simplified SCIP	7fba01c1-2957-4780-94cb-294c13410fdf Germany (DE) 7cdb3ac7-8d65-4c68-a008-7f3236b6b7e4 Norway (NO) b19c6afe-cd1c-4b56-bc4c-fdcb4c601d0f Finland (FI) 1dc041df-a6d3-4974-801b-c949e9ea9b61 Netherlands (NL) b5d6ffe7-8bee-4257-8b45-74b65beaa3f8 Poland (PL) fe746a16-34a6-41f6-a520-5145153ca52a Netherlands (NL) 4b27289a-e553-40c1-a568-0c4215ab4ff7 Netherlands (NL) 84d2843e-fbaa-4365-8ef1-00bafbe03ce8 Estonia (EE) 2b3fd3de-10f3-4af4-bcb0-8e8d64cbc1a2 Bulgaria (BG) 22cc68c5-3b61-4e6f-b014-28ecc301f71e Sweden (SE) 53e2deed-c41d-45fe-91e1-13281b7bda5a Poland (PL) 74b98179-2c8f-4574-aedf-69ce3334e6fd France (FR) 1df07802-e6b0-4a45-8d79-5ec17bcb43d4 Sweden (SE) 293667d5-0724-421c-b235-d662565da8a1 Germany (DE) 6d1b3908-017d-488b-911e-8bbb9da68345 Germany (DE) ced8d5e8-6d10-43d5-8eec-9ff55abb8741 Germany (DE) 8b9dd373-a329-4430-a6ab-fe267fca92c6 Denmark (DK) e7b5e2fa-d1d7-49e6-abd5-7b85c0011343 Germany (DE) 8864f15c-94b2-4097-9f64-2ea91e2f165e Croatia (HR) e994f49c-1ba9-46ad-81a5-4d636336b11b Czech Republic (CZ) 2003fa25-d6ad-4589-bd12-42dcc0fcf968 Poland (PL) 1b8b579f-67c3-4a06-a53c-afee0cbde876 Portugal (PT) eaf928c2-5475-4ee7-a9d7-7fb8062eec9c France (FR) ee5b69f7-3429-4c1a-9b6a-4f0978d641f1 Netherlands (NL) 27345f4c-df1a-4cb9-a024-9c205de2a911 Spain (ES) 9e891527-578c-4ac2-9bd4-16bd92f653d7 Netherlands (NL) 717a8935-7a0f-4bb0-b511-6053c4e75da6 Greece (GR)

Ordering

Order Code US and Canada	XT1NU3020AFF000XXX
EAN	8015644785024
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
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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	1.1 kg
Package Level 1 EAN	8015644785024

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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 1.8 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I _n)	20 A
Rated Voltage (U _r)	600Y/347 V
Rated Instantaneous Short-Circuit Current Setting (I _i)	500 A
Rated Operational Voltage	600Y/347 V AC 500 V DC
Rated Uninterrupted Current (I _u)	125 A
Recommended Screw Driver	Main Circuit M6
Release	TMF
Release Type	TM
Setting Range	20 A
Short-Circuit Performance Level	N
Standards	UL489
Sub-type	XT1
Suitable for Product Class	SACE Tmax XT
Terminal Connection Type	Front

Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0008

Technical UL/CSA

Interrupting Rating acc. to UL489	(240 V AC) 50 kA (480 V AC) 25 kA (600Y / 347 V AC) 18 kA (250 V DC) 2 Poles in Series 35 kA (500 V DC) 4 Poles in Series Kind 35 kA
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Certificates and Declarations

ATEX Certificate	No certification needed
CSA Certificate (Intrinsic Safe)	9AKK10103A3905
Data Sheet, Technical Information	1SDC210200D0206 1SDC210199D0206
Declaration of Conformity - CE	9AKK106713A5532
UL Certificate	1SDL000163R0111
VDE Certificate	No certification needed
Dimension Diagram	1SDH000719R0100
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0003

Classifications

ETIM 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 8	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
IDEA Granular Category Code (IGCC)	4927 >> Molded case circuit breakers
Object Classification Code	Q
UNSPSC	39121616
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

