



PRODUCT-DETAILS

# XT1N 125 TMF 20-500 3p F F UL/CSA

## XT1N 125 TMF 20-500 3p F F UL/CSA



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 %
End of Life Instructions	9AKK108468A2347

Group Waste to Landfill  
Target

UL 2799 Zero Waste To Landfill Validation available

**Eco Transparency**

Environmental Product Declaration - EPD 9AKK108468A1890

**Environmental**

Environmental Information 9AKK108467A6707

**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 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
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
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Suitable for Product Class	SACE Tmax XT
Version	F
CAD Dimensional Drawing	1SDH001295R0008

## Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm <sup>2</sup>
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
Rated Current (I <sub>n</sub> )	20 A
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	500 A
Rated Operational Voltage	600Y/347 V AC 500 V DC
Rated Uninterrupted Current (I <sub>u</sub> )	125 A
Rated Voltage (U <sub>r</sub> )	600Y/347 V

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
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m

### 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 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 eClass	5. Small Equipment (No External Dimension More Than 50 cm) V11.1 : 27370409

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## Categories

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

