



PRODUCT-DETAILS

# XT1N 125 TMF 50-500 3p F F UL/CSA

## XT1N 125 TMF 50-500 3p F F UL/CSA



General Information	
Extended Product Type	XT1N 125 TMF 50-500 3p F F UL/CSA
Product ID	1SDA074641R1
EAN	8015644785086
Catalog Description	XT1N 125 TMF 50-500 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 50-500 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
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	c7a5a645-4b5a-4ec2-81af-dea11019e037 Italy
Simplified SCIP	40489f27-d867-4970-a3ea-45095fa01b79 Germany 2cc35512-6542-477b-b097-508d9ed7e2cf Sweden c5b59b41-e8c8-4e0a-a1f1-ce17eb254d9a Estonia d7a9137e-6688-468b-a478-c1cd3ee55c11 Greece d22a3c59-9f17-4ed2-8a88-aba053bda10f Netherlands 4b72b948-991d-4050-8ef8-7ac8c8822470 Hungary 6caa110e-a6bc-4efa-a174-aa00e42efff7 Poland d70b6ac4-295d-4f4d-8f32-90809f633e23 France ca9b2309-dc59-4751-adab-19bb8c099fc2 Belgium 3b4b51d7-8986-47ef-8c10-9a46d437540e France eee6a6dc-fc63-49b1-9e97-4e1d0ba19c6d Spain f45db504-bc4c-4a71-841b-8e5f344d63db Hungary 3ca298b4-93dc-49fd-b5c2-989fe05dfe2d Bulgaria 6252dd81-8acd-4aaf-ab64-eede51ddead6 Sweden 325c58f4-ef02-4c1e-90f2-d353a734277f Germany 5dc14c64-96bf-4a91-8ec3-1491d12d9b60 Portugal aae79543-65e4-4e7f-9e96-b4cab8dd75b5 Germany 6c47de3b-4d7a-4399-a52e-4f42a0863eee Poland 22a6c588-b212-4927-bc17-786d03fad9ef Germany 9313dd8c-8816-441e-9548-fc55c9264904 Norway db72229c-b928-478d-87ce-2ad1840bde2e Finland 1a455fd3-19d8-4d4e-a438-86ab22afd627 Belgium 9c3b8d68-901d-4e4d-91f2-bdaa4ed00510 Germany 1c997e23-afca-4fad-be82-16f38007dc25 Denmark f3c7241a-2456-4285-b2ac-c65ba0ec1ec5 Poland db044da7-78c6-4da6-b9e2-d7e117cc844d Czech Republic 6681643f-fbf4-483d-b720-c45cf651d0e4 Croatia

### Environmental

Environmental Information	9AKK108467A6707
---------------------------	-----------------

### Ordering

Order Code US and Canada	XT1NU3050AFF000XXX
EAN	8015644785086
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	1.189 kg
Package Level 1 EAN	8015644785086

**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	3P
Opening Time	CB with SOR 30 ms CB with UVR 30 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 3.7 W
Rated Current (I <sub>n</sub> )	50 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	50 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
-----------------------------------	--

**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

**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
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

