



PRODUCT-DETAILS

XT1N 125 TMF 45-500 3p F F UL/CSA
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General Information	
Extended Product Type	XT1N 125 TMF 45-500 3p F F UL/CSA
Product ID	1SDA074640R1
EAN	8015644785079
Catalog Description	XT1N 125 TMF 45-500 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 45-500 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
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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

Environmental		
Environmental Information		9AKK108467A6707

Ordering		
Order Code US and Canada		XT1NU3045AFF000XXX
EAN		8015644785079
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		8015644785079

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 ²
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 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 3 W
Rated Current (I _N)	45 A
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
Rated Voltage (U _r)	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
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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

External Classifications and Standards

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

