



PRODUCT-DETAILS

XT4L 250 TMF 50-500 3p F F UL/CSA
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General Information	
Extended Product Type	XT4L 250 TMF 50-500 3p F F UL/CSA
Product ID	1SDA075261R1
EAN	8015644792381
Catalog Description	XT4L 250 TMF 50-500 3p F F UL/CSA
Long Description	C.BREAKER TMAX XT4L 250 UL/CSA FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 50-500 A

ABB EcoSolutions	
ABB EcoSolutions	Yes
Environmental Product Declaration - EPD	9AKK108468A1892

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
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Ordering

Order Code US and Canada	XT4LU3050AFF000XXX
EAN	8015644792381
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	105 mm
Product Net Height	160 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	2.5 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	145 mm
Package Level 1 Height	210 mm
Package Level 1 Depth / Length	168 mm
Package Level 1 Gross Weight	2.5 kg
Package Level 1 EAN	8015644792381

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	1SDH002230A1003

Technical

Connecting Capacity	Busbar 85..200 mm ²
Main Circuit	
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 4.7 W
Rated Current (I _N)	50 A
Rated Instantaneous Short-Circuit Current Setting (I _i)	500 A
Rated Operational Voltage	600 V AC 600 V DC
Rated Uninterrupted Current (I _u)	250 A
Rated Voltage (U _r)	600 V
Recommended Screw Driver	Main Circuit M8
Release	TMF
Release Type	TM
Setting Range	50 A
Short-Circuit Performance Level	L
Standards	UL489
Sub-type	XT4
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	8 N·m

Technical UL/CSA

Interrupting Rating acc. to UL489	(240 V AC) 200 kA (480 V AC) 100 kA (600 V AC) 50 kA (250 V DC) 2 Poles in Series 85 kA (600 V DC) 3 Poles in Series 75 kA
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Certificates and Declarations

ATEX Certificate	No certification needed
CSA Certificate (Intrinsic Safe)	9AKK10103A3908
Data Sheet, Technical Information	1SDC210200D0206 1SDC210199D0206
Declaration of Conformity - CE	9AKK106713A5529
UL Certificate	1SDL000163R0114
VDE Certificate	No certification needed
Dimension Diagram	1SDH000722R0100
Mechanical Drawings	1SDH000722R0100
Wiring Diagram	1SDM000068R0001

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	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

