



PRODUCT-DETAILS

XT1H 125 TMF 20-500 3p F F UL/CSA

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General Information	
Extended Product Type	XT1H 125 TMF 20-500 3p F F UL/CSA
Product ID	1SDA074695R1
EAN	8015644786724
Catalog Description	XT1H 125 TMF 20-500 3p F F UL/CSA
Long Description	C.BREAKER TMAX XT1H 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

Ordering

Order Code US and Canada XT1HU3020AFF000XXX
 EAN 8015644786724
 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 8015644786724

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	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_n)	20 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	20 A
Short-Circuit Performance Level	H
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) 100 kA (480 V AC) 65 kA (600Y / 347 V AC) 25 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 4 Poles in Series Kind 50 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	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

