



PRODUCT-DETAILS

XT1N 125 TMF 80-800 3p F F UL/CSA

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General Information	
Extended Product Type	XT1N 125 TMF 80-800 3p F F UL/CSA
Product ID	1SDA074644R1
EAN	8015644786212
Catalog Description	XT1N 125 TMF 80-800 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 80-800 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Conflict Minerals Reporting Template	9AKK108467A5658

(CMRT)

End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available
Toxic Substances Control Act - TSCA	9AKK108467A8326

Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890
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Environmental

Environmental Information	9AKK108467A6707
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	a3092b52-c7b0-46f4-a587-9578e451bba7 Italy (IT)
Simplified SCIP	b2340d3b-188b-4daf-8947-8bb974b4f69e Germany (DE) f78364e7-bd45-4331-9134-7d13a1e77777 Netherlands (NL) 60947389-f3a5-4348-b36e-eb9c73fa6d0d Portugal (PT) 17bda6c2-328a-4e8a-a4a1-742560832538 Norway (NO) 58ee7ea9-978d-487d-ab1c-c7c30f13a173 Finland (FI) adbffa6f-4548-4108-8885-289fe00fcb55 Poland (PL) eca4e28b-3bb4-4748-8506-4a95a5f21ccd Netherlands (NL) 47f5d8bc-8c12-47db-a29a-5c02bf51a3e4 Netherlands (NL) 22133da5-b4fb-4ec8-b112-83d7d145d4f6 Estonia (EE) 18ca1470-07ff-446e-9d02-a5b426685eb0 Germany (DE) d6df0810-1652-49ce-8913-c4c7bf90ca3a Denmark (DK) 76ee3543-11ee-4243-97d6-5daee2d350b7 Germany (DE) 3f83c144-b5ff-40dd-bfa6-299f8e6b4dfd Croatia (HR) 34dc34be-e7fb-4df6-82b6-b2c5278a31e1 Czech Republic (CZ) 6a8f9c77-c878-4e35-befa-c304bcc097aa Poland (PL) 4293d883-427d-4be4-a847-50dc2e10393e Greece (GR) 7bfd3ed4-a382-4072-9a18-8ae4ddc193ca Bulgaria (BG) a6a9fe1c-f309-4111-87a3-87d19d51e683 Sweden (SE) 0379fd51-9eb7-4184-b8a2-1507a9ef780e Poland (PL) 98fcf8d4-5d6a-4321-b91e-b2fa16ed54c3 France (FR) ef35b0b4-7227-4c34-b530-51191eb159df Sweden (SE) 1907a2c2-5b32-40e3-8c6c-d2155eb2e18b Germany (DE) 9256e718-5baf-42cd-abcd-f1badeae94c4 Germany (DE) 34ddc332-dd9c-4010-beb1-5d8a180222b7 France (FR) a160dfe9-ac41-4c92-b55f-397bdac67266 Netherlands (NL) 6b15499e-5f7b-43dd-83ca-7cc107a77823 Spain (ES) bc7b4ecd-79e8-4c3e-b815-1a68bcf949f3 Netherlands (NL)

Ordering

Order Code US and Canada	XT1NU3080AFF000XXX
EAN	8015644786212
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
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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	8015644786212

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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 4.8 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	80 A
Rated Voltage (U_r)	600Y/347 V
Rated Instantaneous Short-Circuit Current Setting (I_i)	900 A
Rated Operational Voltage	600Y/347 V AC 500 V DC
Rated Uninterrupted Current (I_u)	125 A
Recommended Screw Driver	Main Circuit M6
Release	TMF
Release Type	TM
Setting Range	80 A
Short-Circuit Performance Level	N
Standards	UL489
Sub-type	XT1
Suitable for Product Class	SACE Tmax XT
Terminal Connection Type	Front

Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0008

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 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
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

