PRODUCT-DETAILS

XT1B 160 TMD 80-800 4p F F

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General Information

Extended Product Type	XT1B 160 TMD 80-800 4p F F
Product ID	1SDA066817R1
EAN	8015644694531
Catalog Description	XT1B 160 TMD 80-800 4p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 80-800 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 9AKK108468A7793
Extended Product Lifetime	Product Modularity
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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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	a943ed44-4235-453a-beee-ce834cf372fe Italy
Simplified SCIP	0147d83e-c5d7-413e-8f24-65b8e1b6fb4d Germany b431f35b-1f96-490a-a7c2-8a6cc22f7500 Poland 215798aa-2b02-41bd-9634-302747961651 Norway 4eac72ff-892f-4ff2-82d0-c21e9c520485 Finland efe375a4-bcdf-46ce-a558-ba03c12e488c Netherlands bc484707-a31e-45e2-8375-a4605a0c4163 Germany b1b3e14c-e8f6-4289-b7fc-d5aab4ce816f Denmark 60a91a61-9ead-49e6-8169-7cda04c66dcd Germany 0326c47c-dd79-450d-b2bd-3d90fcbbbc4c Croatia 162f37d5-e57a-4b76-8f36-7384684e8f01 Czech Republic 2e827726-64d3-4efc-87ec-22462d26739a Poland 3d3a7694-b98a-41bc-9530-b47abf21d453 Netherlands 4b35c0e4-2d12-48d0-8c90-0b8f127892f0 Netherlands 184dcce7-b47b-4d71-8c62-71cc3f45eb4e Estonia ab562bd1-1c53-40ee-9227-2941b5adde00 Greece 0bb6b765-9c71-49a8-ad40-36690b1c84e0 Portugal 748e83e4-abf3-4533-b1ab-dfec7b8ee96b Bulgaria 21d8766a-ee24-4074-8732-011203fd325e Sweden 0f24ea69-2cc1-49f6-83a2-c35c70d09681 Poland 0714bd13-a38c-445f-b771-3b1a6bc968c7 France 0982874d-1466-4556-b90a-9b28af9b7c80 Sweden 18632971-3a27-4fe2-957a-d38b0dbc8455 Germany 066fc8b9-f695-4901-a8cc-fcfd4d6e6e0e Germany 660b252b-f02a-40ad-836d-d91f2d82d400 France 91cce256-25f2-4ed6-9157-f274842bbd7c Netherlands 083afd60-1e8b-4a2f-bf73-8058f41740fe Spain e9ef4ee6-d181-4131-a42a-ff4646e1ee6d Netherlands

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1BE4080AFF000XXX
E-Number (Finland)	3638190
E-Number (Norway)	4309707
EAN	8015644694531
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.4 kg

Container Information

Package Level 1 Units	box 1 piece

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Package Level 1 Width	128 mm
Package Level 1 Height	135 mm
Package Level 1 Depth / Length	143 mm
Package Level 1 Gross Weight	1.448 kg
Package Level 1 EAN	8015644694531

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
Version	F
CAD Dimensional Drawing	1SDH001295R0080

Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	4P
Opening Time	CB with SOR 30 ms CB with UVR 30 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 4.8 W
Rated Current (I_n)	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	800 A
Rated Insulation Voltage (U_i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 11.25 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 15 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA

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	(500 V DC) 3 Poles in Series 18 kA
Rated Uninterrupted Current (I_u)	160 A
Rated Voltage (U_r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	56...80 A
Short-Circuit Performance Level	B
Standards	IEC60947-2
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m

Certificates and Declarations

ATEX Certificate	No certification needed
Data Sheet, Technical Information	1SDC210100D0206 1SDC210099D0206
Declaration of Conformity - CE	9AKK106713A5532
GL Certificate	1SDL000163R0103
LR Certificate	1SDL000163R0100
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000719R0100
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0001

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
Object Classification Code	Q
UNSPSC	39120000
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

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