



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
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Circular Value

Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
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 9AKK108468A7793
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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	a943ed44-4235-453a-beee-ce834cf372fe Italy (IT)
Simplified SCIP	0147d83e-c5d7-413e-8f24-65b8e1b6fb4d Germany (DE) b431f35b-1f96-490a-a7c2-8a6cc22f7500 Poland (PL) 215798aa-2b02-41bd-9634-302747961651 Norway (NO) 4eac72ff-892f-4ff2-82d0-c21e9c520485 Finland (FI) efe375a4-bcdf-46ce-a558-ba03c12e488c Netherlands (NL) bc484707-a31e-45e2-8375-a4605a0c4163 Germany (DE) b1b3e14c-e8f6-4289-b7fc-d5aab4ce816f Denmark (DK) 60a91a61-9ead-49e6-8169-7cda04c66dcd Germany (DE) 0326c47c-dd79-450d-b2bd-3d90fcbbbc4c Croatia (HR) 162f37d5-e57a-4b76-8f36-7384684e8f01 Czech Republic (CZ) 2e827726-64d3-4efc-87ec-22462d26739a Poland (PL) 3d3a7694-b98a-41bc-9530-b47abf21d453 Netherlands (NL) 4b35c0e4-2d12-48d0-8c90-0b8f127892f0 Netherlands (NL) 184dcce7-b47b-4d71-8c62-71cc3f45eb4e Estonia (EE) ab562bd1-1c53-40ee-9227-2941b5adde00 Greece (GR) 0bb6b765-9c71-49a8-ad40-36690b1c84e0 Portugal (PT) 748e83e4-abf3-4533-b1ab-dfec7b8ee96b Bulgaria (BG) 21d8766a-ee24-4074-8732-011203fd325e Sweden (SE) 0f24ea69-2cc1-49f6-83a2-c35c70d09681 Poland (PL) 0714bd13-a38c-445f-b771-3b1a6bc968c7 France (FR) 0982874d-1466-4556-b90a-9b28af9b7c80 Sweden (SE) 18632971-3a27-4fe2-957a-d38b0dbc8455 Germany (DE) 066fc8b9-f695-4901-a8cc-fcfd4d6e6e0e Germany (DE) 660b252b-f02a-40ad-836d-d91f2d82d400 France (FR) 91cce256-25f2-4ed6-9157-f274842bbd7c Netherlands (NL) 083afd60-1e8b-4a2f-bf73-8058f41740fe Spain (ES) e9ef4ee6-d181-4131-a42a-ff4646e1ee6d Netherlands (NL)

Ordering

Order Code US and Canada	XT1BE4080AFF000XXX
E-Number (Finland)	3638190
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
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
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	4
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 Frequency (f)	50 / 60 Hz
Rated Voltage (U_r)	690 V
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 (500 V DC) 3 Poles in Series 18 kA
Rated Uninterrupted Current (I_u)	160 A

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
Version	F
CAD Dimensional Drawing	1SDH001295R0080

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

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
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

