

PRODUCT-DETAILS

XT1S 160 TMD 80-800 3p F F

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General Information

Extended Product Type	XT1S 160 TMD 80-800 3p F F
Product ID	1SDA067433R1
EAN	8015644013271
Catalog Description	XT1S 160 TMD 80-800 3p F F
Long Description	C.BREAKER TMAX XT1S 160 FIXED THREE-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

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	0da8f632-8e9f-41ae-9c03-847988d85109 Italy (IT)
Simplified SCIP	873e266f-703a-4a66-bc9b-20ad36573f1d Greece (GR) befc1bad-9b02-4cea-9a60-a5e86510fa56 Portugal (PT) d392346d-e201-4e73-a667-bde3a7f2c3c9 Bulgaria (BG) 2114592f-03e9-4481-9255-a24a09602243 Sweden (SE) b0573c17-5dca-4d5a-b9c1-b710270f7724 Poland (PL) f35a764b-4464-47d8-8c42-ba2887beb1dd France (FR) 668fd37c-69e5-4115-b458-0f09c791a655 Poland (PL) 1734bb6f-5a66-4553-84b0-4d58a523fe71 Norway (NO) c9d5fa41-399e-48fc-8b81-6e045b1ce062 Germany (DE) d87ca726-ee28-4b8f-801c-367dda4d53de France (FR) 921ae63b-d2b1-49d2-b8d9-8548c3a587dd Netherlands (NL) 080fef6e-d880-4927-b08c-07e50bac363d Spain (ES) adb84441-4794-4520-a61e-bd023e580b54 Netherlands (NL) befc1bad-9b02-4cea-9a60-a5e86510fa56 Portugal (PT) d392346d-e201-4e73-a667-bde3a7f2c3c9 Bulgaria (BG) 2114592f-03e9-4481-9255-a24a09602243 Sweden (SE) adb84441-4794-4520-a61e-bd023e580b54 Netherlands (NL) b0573c17-5dca-4d5a-b9c1-b710270f7724 Poland (PL) f35a764b-4464-47d8-8c42-ba2887beb1dd France (FR) 4bceac9a-3a97-44b2-ae48-4d646fa81812 Sweden (SE) e472c269-8211-4f3c-852d-2fdab0edba7d Germany (DE) c9d5fa41-399e-48fc-8b81-6e045b1ce062 Germany (DE) d87ca726-ee28-4b8f-801c-367dda4d53de France (FR) 921ae63b-d2b1-49d2-b8d9-8548c3a587dd Netherlands (NL) 080fef6e-d880-4927-b08c-07e50bac363d Spain (ES) 668fd37c-69e5-4115-b458-0f09c791a655 Poland (PL) 1734bb6f-5a66-4553-84b0-4d58a523fe71 Norway (NO) c91d61bc-0ab3-401f-afd7-0cb6284a9bf1 Finland (FI) 41beffc0-74a5-4172-a30b-76b2619e1b2a Netherlands (NL) f02a1f33-cb1d-497c-9c8e-8cd1aa91a8f0 Germany (DE) cf57f7a1-9c88-4459-a398-5961863d0b55 Denmark (DK) 5bb55d2b-c034-4ebc-9c26-d5558b93e6bb Germany (DE) fc96b3ce-9ba7-4fdb-be8a-11925e8296e1 Croatia (HR) 58a030aa-8cf8-42ab-af10-7302333ee9a3 Czech Republic (CZ) b0bd89b9-4375-4425-b834-e434c8eab482 Poland (PL) b0bd89b9-4375-4425-b834-e434c8eab482 Poland (PL) ff591f31-a5cf-4fa5-a89f-f233364464a2 Netherlands (NL) 0ea28d63-74f6-4cef-b6d1-3284770b8d45 Netherlands (NL) b7930cd1-dfb5-4858-af5a-6d4014450c28 Estonia (EE) 873e266f-703a-4a66-bc9b-20ad36573f1d Greece (GR) 4bceac9a-3a97-44b2-ae48-4d646fa81812 Sweden (SE) e472c269-8211-4f3c-852d-2fdab0edba7d Germany (DE) c91d61bc-0ab3-401f-afd7-0cb6284a9bf1 Finland (FI) 41beffc0-74a5-4172-a30b-76b2619e1b2a Netherlands (NL) f02a1f33-cb1d-497c-9c8e-8cd1aa91a8f0 Germany (DE) cf57f7a1-9c88-4459-a398-5961863d0b55 Denmark (DK) 5bb55d2b-c034-4ebc-9c26-d5558b93e6bb Germany (DE) fc96b3ce-9ba7-4fdb-be8a-11925e8296e1 Croatia (HR) 58a030aa-8cf8-42ab-af10-7302333ee9a3 Czech Republic (CZ) ff591f31-a5cf-4fa5-a89f-f233364464a2 Netherlands (NL) 0ea28d63-74f6-4cef-b6d1-3284770b8d45 Netherlands (NL) b7930cd1-dfb5-4858-af5a-6d4014450c28 Estonia (EE)

Ordering

Order Code US and Canada	XT1SE3080AFF000XXX
EAN	8015644013271

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	1.15 kg
Package Level 1 EAN	8015644013271

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	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 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 ( $I_s$ )	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) 63.75 kA (230 V AC) 63.75 kA (240 V AC) 63.75 kA (380 V AC) 50 kA (415 V AC) 37.5 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 17.5 kA

	(690 V AC) 5 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	(220 V AC) 85 kA (230 V AC) 85 kA (240 V AC) 85 kA (380 V AC) 50 kA (415 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 36 kA (525 V AC) 35 kA (690 V AC) 8 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA
Rated Uninterrupted Current (I <sub>u</sub> )	160 A
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	56...80 A
Short-Circuit Performance Level	S
Standards	IEC
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0008

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

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## Categories

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Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

