



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

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 9AKK108468A7793
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**Environmental**

Environmental Information	9AKK108467A6707
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**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

SCIP	Oda8f632-8e9f-41ae-9c03-847988d85109 Italy (IT)
Simplified SCIP	43d80cb5-0af9-4a5e-b70d-a84d7fd3d69c Germany (DE) 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) 080fef6-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) 080fef6-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
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Version	F
CAD Dimensional Drawing	1SDH001295R0008

### Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm <sup>2</sup>
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
Rated Current (I <sub>n</sub> )	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand	8 kV

Voltage ( $U_{imp}$ )	
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) 80 kA (230 V AC) 80 kA (240 V AC) 80 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 ( $I_{cu}$ )	(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 ( $I_u$ )	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	S
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

### Classifications

ETIM 8	EC000228 - Power circuit-breaker for trafo/generator/installation protection
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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

