



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
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
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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	Oda8f632-8e9f-41ae-9c03-847988d85109 Italy
Simplified SCIP	43d80cb5-0af9-4a5e-b70d-a84d7fd3d69c Germany 873e266f-703a-4a66-bc9b-20ad36573f1d Greece befc1bad-9b02-4cea-9a60-a5e86510fa56 Portugal d392346d-e201-4e73-a667-bde3a7f2c3c9 Bulgaria 2114592f-03e9-4481-9255-a24a09602243 Sweden b0573c17-5dca-4d5a-b9c1-b710270f7724 Poland f35a764b-4464-47d8-8c42-ba2887beb1dd France 668fd37c-69e5-4115-b458-0f09c791a655 Poland 1734bb6f-5a66-4553-84b0-4d58a523fe71 Norway c9d5fa41-399e-48fc-8b81-6e045b1ce062 Germany d87ca726-ee28-4b8f-801c-367dda4d53de France 921ae63b-d2b1-49d2-b8d9-8548c3a587dd Netherlands 080fefe6-d880-4927-b08c-07e50bac363d Spain adb84441-4794-4520-a61e-bd023e580b54 Netherlands befc1bad-9b02-4cea-9a60-a5e86510fa56 Portugal d392346d-e201-4e73-a667-bde3a7f2c3c9 Bulgaria 2114592f-03e9-4481-9255-a24a09602243 Sweden adb84441-4794-4520-a61e-bd023e580b54 Netherlands b0573c17-5dca-4d5a-b9c1-b710270f7724 Poland f35a764b-4464-47d8-8c42-ba2887beb1dd France 4bceac9a-3a97-44b2-ae48-4d646fa81812 Sweden e472c269-8211-4f3c-852d-2fdab0edba7d Germany c9d5fa41-399e-48fc-8b81-6e045b1ce062 Germany d87ca726-ee28-4b8f-801c-367dda4d53de France 921ae63b-d2b1-49d2-b8d9-8548c3a587dd Netherlands 080fefe6-d880-4927-b08c-07e50bac363d Spain 668fd37c-69e5-4115-b458-0f09c791a655 Poland 1734bb6f-5a66-4553-84b0-4d58a523fe71 Norway c91d61bc-0ab3-401f-afd7-0cb6284a9bf1 Finland 41beffc0-74a5-4172-a30b-76b2619e1b2a Netherlands f02a1f33-cb1d-497c-9c8e-8cd1aa91a8f0 Germany cf57f7a1-9c88-4459-a398-5961863d0b55 Denmark 5bb55d2b-c034-4ebc-9c26-d5558b93e6bb Germany fc96b3ce-9ba7-4fdb-be8a-11925e8296e1 Croatia 58a030aa-8cf8-42ab-af10-7302333ee9a3 Czech Republic b0bd89b9-4375-4425-b834-e434c8eab482 Poland b0bd89b9-4375-4425-b834-e434c8eab482 Poland ff591f31-a5cf-4fa5-a89f-f233364464a2 Netherlands Oea28d63-74f6-4cef-b6d1-3284770b8d45 Netherlands b7930cd1-dfb5-4858-af5a-6d4014450c28 Estonia 873e266f-703a-4a66-bc9b-20ad36573f1d Greece 4bceac9a-3a97-44b2-ae48-4d646fa81812 Sweden e472c269-8211-4f3c-852d-2fdab0edba7d Germany c91d61bc-0ab3-401f-afd7-0cb6284a9bf1 Finland 41beffc0-74a5-4172-a30b-76b2619e1b2a Netherlands f02a1f33-cb1d-497c-9c8e-8cd1aa91a8f0 Germany cf57f7a1-9c88-4459-a398-5961863d0b55 Denmark 5bb55d2b-c034-4ebc-9c26-d5558b93e6bb Germany fc96b3ce-9ba7-4fdb-be8a-11925e8296e1 Croatia 58a030aa-8cf8-42ab-af10-7302333ee9a3 Czech Republic ff591f31-a5cf-4fa5-a89f-f233364464a2 Netherlands Oea28d63-74f6-4cef-b6d1-3284770b8d45 Netherlands b7930cd1-dfb5-4858-af5a-6d4014450c28 Estonia

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1SE3080AFF000XXX
E-Number (Norway)	4309622
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 ²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	3P

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) 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	9AKK106713A5532

Conformity - CE

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

