



PRODUCT-DETAILS

XT1N 160 TMD 80-800 3p F F

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General Information	
Extended Product Type	XT1N 160 TMD 80-800 3p F F
Product ID	1SDA067415R1
EAN	8015644013097
Catalog Description	XT1N 160 TMD 80-800 3p F F
Long Description	C.BREAKER TMAX XT1N 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
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	f628c62e-5364-4273-b02b-bc0e014f8c5e Italy
Simplified SCIP	185340ad-7b90-4cc7-af45-e8f5eeef0312 Germany d9571155-b537-4167-ab03-6feb5bdeb790 Netherlands 29d05412-3f73-496f-a438-66ae0149eca6 Estonia e94a116b-99a4-499c-ab11-ea1578e289be Greece 7cd239dc-e16e-4ff9-9337-8e9e66c111ab Poland 93efcd4b-f997-4715-a99e-c7e6b313bb9e France 6f798a81-0ffb-44c7-a190-e65ffb95b2f3 Sweden d25d3257-ce59-4adf-98ac-b34c351ab7d8 France 0a169ab8-9c3b-4ebd-977a-10991995718d Netherlands 1b87cfac-4dc5-4d57-b58f-788f44c8de6c Spain 6830a758-7aaa-4ee0-b377-69cce45969e3 Netherlands a8f674d6-d132-4f66-81b1-0a97f79a4582 Bulgaria be948690-e417-4a33-aa52-272498caa17c Sweden 6830a758-7aaa-4ee0-b377-69cce45969e3 Netherlands 01f586ce-a9e1-49dc-b29e-c9eb41633a74 Poland d7b23144-d6d1-412b-9150-f820c64d7b97 Norway 81ffeab9-de17-4da2-b172-0083d26f6ca5 Finland a531a27d-fee4-4b58-a00c-576e324d37ab Netherlands d9bb90cd-7e9c-478a-9439-6fb680de1dde Germany 3f899bf3-f174-4b59-b2cb-444ed2b60404 Denmark 1a4ee548-9b98-478e-bebf-733669a48bbf Germany db59c75c-b379-4a28-8c2f-bd15637e3264 Croatia 3d98d5bc-3a33-420c-a68f-2b7a97187c97 Czech Republic bfe82107-afba-436a-adc4-b716e54d561e Poland df7b4b0a-92a4-49c7-bc6b-2da58af07f00 Netherlands d9571155-b537-4167-ab03-6feb5bdeb790 Netherlands 29d05412-3f73-496f-a438-66ae0149eca6 Estonia e94a116b-99a4-499c-ab11-ea1578e289be Greece 0bf65001-3953-4cda-bd99-f8d9efb3dca5 Portugal 6f798a81-0ffb-44c7-a190-e65ffb95b2f3 Sweden e023fad3-c9e2-4ed7-9f93-3993ab3a2dad Germany ccc7fd06-c4ab-4ccf-a00f-77cee611e9dc Germany 0bf65001-3953-4cda-bd99-f8d9efb3dca5 Portugal a8f674d6-d132-4f66-81b1-0a97f79a4582 Bulgaria be948690-e417-4a33-aa52-272498caa17c Sweden 7cd239dc-e16e-4ff9-9337-8e9e66c111ab Poland 93efcd4b-f997-4715-a99e-c7e6b313bb9e France e023fad3-c9e2-4ed7-9f93-3993ab3a2dad Germany ccc7fd06-c4ab-4ccf-a00f-77cee611e9dc Germany d25d3257-ce59-4adf-98ac-b34c351ab7d8 France 0a169ab8-9c3b-4ebd-977a-10991995718d Netherlands 1b87cfac-4dc5-4d57-b58f-788f44c8de6c Spain 01f586ce-a9e1-49dc-b29e-c9eb41633a74 Poland d7b23144-d6d1-412b-9150-f820c64d7b97 Norway 81ffeab9-de17-4da2-b172-0083d26f6ca5 Finland a531a27d-fee4-4b58-a00c-576e324d37ab Netherlands d9bb90cd-7e9c-478a-9439-6fb680de1dde Germany 3f899bf3-f174-4b59-b2cb-444ed2b60404 Denmark 1a4ee548-9b98-478e-bebf-733669a48bbf Germany db59c75c-b379-4a28-8c2f-bd15637e3264 Croatia 3d98d5bc-3a33-420c-a68f-2b7a97187c97 Czech Republic bfe82107-afba-436a-adc4-b716e54d561e Poland df7b4b0a-92a4-49c7-bc6b-2da58af07f00 Netherlands

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1NE3080AFF000XXX
E-Number (Finland)	3640530
E-Number (Norway)	4379207
E-Number (Sweden)	3182430
EAN	8015644013097
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	1.134 kg
Package Level 1 EAN	8015644013097

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) 50 kA (230 V AC) 50 kA (240 V AC) 50 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 18 kA (500 V AC) 15 kA (525 V AC) 11 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 kA
Rated Ultimate Short- Circuit Breaking Capacity (I_{cu})	(220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 36 kA (500 V AC) 30 kA (525 V AC) 22 kA (690 V AC) 6 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 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	N
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

