



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

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	f628c62e-5364-4273-b02b-bc0e014f8c5e Italy (IT)
Simplified SCIP	185340ad-7b90-4cc7-af45-e8f5eeef0312 Germany (DE) d9571155-b537-4167-ab03-6feb5bdeb790 Netherlands (NL) 29d05412-3f73-496f-a438-66ae0149eca6 Estonia (EE) e94a116b-99a4-499c-ab11-ea1578e289be Greece (GR) 7cd239dc-e16e-4ff9-9337-8e9e66c111ab Poland (PL) 93efcd4b-f997-4715-a99e-c7e6b313bb9e France (FR) 6f798a81-0ffb-44c7-a190-e65ffb95b2f3 Sweden (SE) d25d3257-ce59-4adf-98ac-b34c351ab7d8 France (FR) 0a169ab8-9c3b-4ebd-977a-10991995718d Netherlands (NL) 1b87cfac-4dc5-4d57-b58f-788f44c8de6c Spain (ES) 6830a758-7aaa-4ee0-b377-69cce45969e3 Netherlands (NL) a8f674d6-d132-4f66-81b1-0a97f79a4582 Bulgaria (BG) be948690-e417-4a33-aa52-272498caa17c Sweden (SE) 6830a758-7aaa-4ee0-b377-69cce45969e3 Netherlands (NL) 01f586ce-a9e1-49dc-b29e-c9eb41633a74 Poland (PL) d7b23144-d6d1-412b-9150-f820c64d7b97 Norway (NO) 81ffeab9-de17-4da2-b172-0083d26f6ca5 Finland (FI) a531a27d-fee4-4b58-a00c-576e324d37ab Netherlands (NL) d9bb90cd-7e9c-478a-9439-6fb680de1dde Germany (DE) 3f899bf3-f174-4b59-b2cb-444ed2b60404 Denmark (DK) 1a4ee548-9b98-478e-bebf-733669a48bbf Germany (DE) db59c75c-b379-4a28-8c2f-bd15637e3264 Croatia (HR) 3d98d5bc-3a33-420c-a68f-2b7a97187c97 Czech Republic (CZ) bfe82107-afba-436a-adc4-b716e54d561e Poland (PL) df7b4b0a-92a4-49c7-bc6b-2da58af07f00 Netherlands (NL) d9571155-b537-4167-ab03-6feb5bdeb790 Netherlands (NL) 29d05412-3f73-496f-a438-66ae0149eca6 Estonia (EE) e94a116b-99a4-499c-ab11-ea1578e289be Greece (GR) 0bf65001-3953-4cda-bd99-f8d9efb3dca5 Portugal (PT) 6f798a81-0ffb-44c7-a190-e65ffb95b2f3 Sweden (SE) e023fad3-c9e2-4ed7-9f93-3993ab3a2dad Germany (DE) ccc7fd06-c4ab-4ccf-a00f-77cee611e9dc Germany (DE) 0bf65001-3953-4cda-bd99-f8d9efb3dca5 Portugal (PT) a8f674d6-d132-4f66-81b1-0a97f79a4582 Bulgaria (BG) be948690-e417-4a33-aa52-272498caa17c Sweden (SE) 7cd239dc-e16e-4ff9-9337-8e9e66c111ab Poland (PL) 93efcd4b-f997-4715-a99e-c7e6b313bb9e France (FR) e023fad3-c9e2-4ed7-9f93-3993ab3a2dad Germany (DE) ccc7fd06-c4ab-4ccf-a00f-77cee611e9dc Germany (DE) d25d3257-ce59-4adf-98ac-b34c351ab7d8 France (FR) 0a169ab8-9c3b-4ebd-977a-10991995718d Netherlands (NL) 1b87cfac-4dc5-4d57-b58f-788f44c8de6c Spain (ES) 01f586ce-a9e1-49dc-b29e-c9eb41633a74 Poland (PL) d7b23144-d6d1-412b-9150-f820c64d7b97 Norway (NO) 81ffeab9-de17-4da2-b172-0083d26f6ca5 Finland (FI) a531a27d-fee4-4b58-a00c-576e324d37ab Netherlands (NL) d9bb90cd-7e9c-478a-9439-6fb680de1dde Germany (DE) 3f899bf3-f174-4b59-b2cb-444ed2b60404 Denmark (DK) 1a4ee548-9b98-478e-bebf-733669a48bbf Germany (DE) db59c75c-b379-4a28-8c2f-bd15637e3264 Croatia (HR) 3d98d5bc-3a33-420c-a68f-2b7a97187c97 Czech Republic (CZ) bfe82107-afba-436a-adc4-b716e54d561e Poland (PL) df7b4b0a-92a4-49c7-bc6b-2da58af07f00 Netherlands (NL)

Ordering

Order Code US and Canada	XT1NE3080AFF000XXX
E-Number (Finland)	3640530
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
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 _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
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(500 V DC) 3 Poles in Series 36 kA
	(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
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
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)

Categories

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

