



PRODUCT-DETAILS

# XT1N 160 TMD 80-800 3p F F

## XT1N 160 TMD 80-800 3p F F



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 Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Conflict Minerals Reporting Template	9AKK108467A5658

(CMRT)

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)
- Oa169ab8-9c3b-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)
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- 6f798a81-0ffb-44c7-a190-e65ffb95b2f3 Sweden (SE)
- e023fad3-c9e2-4ed7-9f93-3993ab3a2dad Germany (DE)
- ccc7fd06-c4ab-4ccf-a00f-77cee611e9dc Germany (DE)
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 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 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
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker

Product Type	Automatic Circuit Breaker
Rated Current (I <sub>n</sub> )	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U <sub>r</sub> )	690 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	800 A
Rated Insulation Voltage (U <sub>i</sub> )	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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 <sub>cu</sub> )	(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 <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	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	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

## 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

## Categories

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

