



PRODUCT-DETAILS

# XT1N 160 TMD 100-1000 3p F F

## XT1N 160 TMD 100-1000 3p F F



General Information	
Extended Product Type	XT1N 160 TMD 100-1000 3p F F
Product ID	1SDA067416R1
EAN	8015644013103
Catalog Description	XT1N 160 TMD 100-1000 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 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	9dc23701-0389-4d5d-9536-ba4ecc672f9f Italy (IT)
Simplified SCIP	dd3b120b-cdd6-4746-84e1-3b6ba8deac82 Germany (DE) 8ebd8f62-f8d3-47fd-bae4-333e0a218076 Greece (GR) db9cca29-2669-426f-bf76-0e2f3f91228f Portugal (PT) 01cd358c-7878-4350-a8cb-ad98bcd7f04c Bulgaria (BG) b0a036f2-b8f0-4f7f-ae0c-8d094fa47899 Sweden (SE) 996ed7e4-edc7-4d81-aaaa-2cb3aad20176 Poland (PL) 8fd3fa87-f754-4249-8c2f-b59e41939151 France (FR) c53d77de-041e-4093-a986-0c6cc61f57c5 Sweden (SE) 84ac0468-5c88-4c5d-8651-f235b69841f9 Norway (NO) fbb53485-dd85-4069-8b43-658e7c5756b5 Finland (FI) d200e345-117c-45cc-aa41-8ed4a9afed60 Netherlands (NL) 1a85d563-57df-4b20-b426-89ccb3c219e0 Germany (DE) e9fc3286-418a-43e6-a8da-5755bebb9679 Denmark (DK) b375cf2b-78f3-4e1e-ae01-a1a61a24b8a8 Germany (DE) d6dca289-557a-48dd-b4aa-fd4b82c36b75 Croatia (HR) 83b9a438-3162-4bc0-be90-1012a3e4b3fc Poland (PL) 4f0681cb-c9f4-4a2f-abaf-3d07ac967890 Germany (DE) 3b489665-c6a7-4f01-ac7f-d84483cd1553 France (FR) e6c6fa22-a8fe-4514-a81d-fcf5be2a7031 Netherlands (NL) c4a7c5cf-16cb-45a7-8b0f-07ab801af36a Spain (ES) 83b9a438-3162-4bc0-be90-1012a3e4b3fc Poland (PL) 84ac0468-5c88-4c5d-8651-f235b69841f9 Norway (NO) fbb53485-dd85-4069-8b43-658e7c5756b5 Finland (FI) b0a036f2-b8f0-4f7f-ae0c-8d094fa47899 Sweden (SE) 2bcd0110-606e-4b4a-96e7-796264c5d0b9 Netherlands (NL) 996ed7e4-edc7-4d81-aaaa-2cb3aad20176 Poland (PL) 8fd3fa87-f754-4249-8c2f-b59e41939151 France (FR) c53d77de-041e-4093-a986-0c6cc61f57c5 Sweden (SE) 8b19cf35-ed11-4fe7-8969-08b832056cec Germany (DE) 3acf60b8-4063-465a-b3fd-a4c165e3f530 Czech Republic (CZ) 5dc72b3c-ae87-4b2b-b761-495b6eb5d7eb Poland (PL) cb2acb5b-5523-4886-9a78-19a9c1e14bee Netherlands (NL) 1216d8d6-e907-4c14-bafd-557686032dbe Netherlands (NL) 87f2c02c-07fc-4c8f-9140-875e6fa9b620 Estonia (EE) 8ebd8f62-f8d3-47fd-bae4-333e0a218076 Greece (GR) db9cca29-2669-426f-bf76-0e2f3f91228f Portugal (PT) 8b19cf35-ed11-4fe7-8969-08b832056cec Germany (DE) 4f0681cb-c9f4-4a2f-abaf-3d07ac967890 Germany (DE) 3b489665-c6a7-4f01-ac7f-d84483cd1553 France (FR) e6c6fa22-a8fe-4514-a81d-fcf5be2a7031 Netherlands (NL) c4a7c5cf-16cb-45a7-8b0f-07ab801af36a Spain (ES) 2bcd0110-606e-4b4a-96e7-796264c5d0b9 Netherlands (NL) 01cd358c-7878-4350-a8cb-ad98bcd7f04c Bulgaria (BG) d200e345-117c-45cc-aa41-8ed4a9afed60 Netherlands (NL) 1a85d563-57df-4b20-b426-89ccb3c219e0 Germany (DE)

e9fc3286-418a-43e6-a8da-5755bebb9679 Denmark (DK)  
 b375cf2b-78f3-4e1e-ae01-a1a61a24b8a8 Germany (DE)  
 d6dca289-557a-48dd-b4aa-fd4b82c36b75 Croatia (HR)  
 3acf60b8-4063-465a-b3fd-a4c165e3f530 Czech Republic (CZ)  
 5dc72b3c-ae87-4b2b-b761-495b6eb5d7eb Poland (PL)  
 cb2acb5b-5523-4886-9a78-19a9c1e14bee Netherlands (NL)  
 1216d8d6-e907-4c14-bafd-557686032dbe Netherlands (NL)  
 87f2c02c-07fc-4c8f-9140-875e6fa9b620 Estonia (EE)

**Ordering**

E-Number (Finland)	3640527
E-Number (Sweden)	3182429
EAN	8015644013103
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	1.133 kg
Package Level 1 EAN	8015644013103

**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 7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I <sub>n</sub> )	100 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> )	1000 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
RoHS Date	NA
Setting Range	70...100 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	2CDC210017C0101 1SDC210100D0206 1SXF210033C2001 1SDC210099D0206 1SXF210034C2001

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
Object Classification Code	Q
UNSPSC	39120000
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	V11.1 : 27370409

**Where Used (as part of "kit")**

Identifier	Description	Type
3HAC058321-001	Circuit breaker, w term.	Kit

**Categories**

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT  
 Robotics → Controllers → IRC5 → IRC5 Process Module

