



PRODUCT-DETAILS

**XT1N 160 TMD 63-630 3p F F**

**XT1N 160 TMD 63-630 3p F F**



**General Information**

Extended Product Type	XT1N 160 TMD 63-630 3p F F
Product ID	1SDA067414R1
EAN	8015644013080
Catalog Description	XT1N 160 TMD 63-630 3p F F
Long Description	C.BREAKER TMAX XT1N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 63-630 A

**ABB EcoSolutions**

ABB EcoSolutions	Yes
------------------	-----

**Circular Value**

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
End of Life Instructions	9AKK108468A2347

Group Waste to Landfill  
Target

UL 2799 Zero Waste To Landfill Validation available

**Eco Transparency**

Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
---	------------------------------------

**Environmental**

Environmental Information	9AKK108467A6707
---------------------------	-----------------

**Material Compliance**

REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	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	27b3f7d2-9a9d-4702-8c8b-78b0b8988401 Italy (IT)
Simplified SCIP	aee58fd4-1e56-4298-8189-3e5115abb462 Germany (DE) 1ffadfff-ebc9-4810-a077-a29ee05933b3 Poland (PL) 0417799a-9290-4abf-abf6-7774a98a30b1 Bulgaria (BG) 2eca5665-1d25-4516-8b70-b764a7bdf9a5 Sweden (SE) 67bee0e5-9901-4ef0-9128-7849a7b0e517 Poland (PL) 37737179-f4ca-49f4-9dc8-1b69cef21c3e France (FR) 4ba80cd9-4f6f-47f4-b1a0-8d5221b573c8 Germany (DE) cdbb3483-9890-4a46-bbaa-6066e66326c8 Denmark (DK) f34ae812-e6f3-45e4-bf17-926328d6ea32 Germany (DE) ffa365ad-0a63-4996-801f-9f907780595d Croatia (HR) ee4808c3-7716-4e4a-aed8-cb20d3a302e0 Czech Republic (CZ) c6e727f6-36d0-4492-8eba-cf90e63de90c Poland (PL) a7059471-1c97-4e1b-8c16-d767eaa1c627 Netherlands (NL) 1ffadfff-ebc9-4810-a077-a29ee05933b3 Poland (PL) 7b27d125-3eb3-47c4-841f-238495ac7db9 Norway (NO) 28b49d81-2c93-478b-97cd-b12793dd7015 Finland (FI) 1c033f72-17ba-46e7-b6b0-b4d95e52f2d7 Netherlands (NL) 7b27d125-3eb3-47c4-841f-238495ac7db9 Norway (NO) 28b49d81-2c93-478b-97cd-b12793dd7015 Finland (FI) 1c033f72-17ba-46e7-b6b0-b4d95e52f2d7 Netherlands (NL) 4ba80cd9-4f6f-47f4-b1a0-8d5221b573c8 Germany (DE) cdbb3483-9890-4a46-bbaa-6066e66326c8 Denmark (DK) f34ae812-e6f3-45e4-bf17-926328d6ea32 Germany (DE) ffa365ad-0a63-4996-801f-9f907780595d Croatia (HR) ee4808c3-7716-4e4a-aed8-cb20d3a302e0 Czech Republic (CZ) c6e727f6-36d0-4492-8eba-cf90e63de90c Poland (PL) a7059471-1c97-4e1b-8c16-d767eaa1c627 Netherlands (NL) 5160fe50-30eb-4851-a4ad-c7489bce1f81 Netherlands (NL) 4c33881f-f0a2-4ab4-8b05-80f0dc6957d1 Estonia (EE) 7a8aa60f-fb7b-4633-9554-857968df1c0b Greece (GR) b9e146ff-487a-40be-b25f-62ef2e2aa0d0 Portugal (PT) 5160fe50-30eb-4851-a4ad-c7489bce1f81 Netherlands (NL) 4c33881f-f0a2-4ab4-8b05-80f0dc6957d1 Estonia (EE) 7a8aa60f-fb7b-4633-9554-857968df1c0b Greece (GR) b9e146ff-487a-40be-b25f-62ef2e2aa0d0 Portugal (PT) ea73ce68-7db5-4d60-961b-2590dc8126fd Sweden (SE) ceb27245-9af4-4fb1-b449-dc81ee39b704 Germany (DE) 047a76d8-ead0-4265-bfa2-ca814a2e94a9 Germany (DE) 24be2c1a-d0a0-489b-9e49-9b1b683e7486 France (FR)

6f275054-5b49-46ae-b8a4-f437da98c26b Netherlands (NL)  
 0c235e17-44de-43ef-857f-e2b2acfec393 Spain (ES)  
 4e491c2d-d697-4758-ae23-de5d61949d1c Netherlands (NL)  
 0417799a-9290-4abf-abf6-7774a98a30b1 Bulgaria (BG)  
 2eca5665-1d25-4516-8b70-b764a7bdf9a5 Sweden (SE)  
 4e491c2d-d697-4758-ae23-de5d61949d1c Netherlands (NL)  
 67bee0e5-9901-4ef0-9128-7849a7b0e517 Poland (PL)  
 37737179-f4ca-49f4-9dc8-1b69cef21c3e France (FR)  
 ea73ce68-7db5-4d60-961b-2590dc8126fd Sweden (SE)  
 ceb27245-9af4-4fb1-b449-dc81ee39b704 Germany (DE)  
 047a76d8-ead0-4265-bfa2-ca814a2e94a9 Germany (DE)  
 24be2c1a-d0a0-489b-9e49-9b1b683e7486 France (FR)  
 6f275054-5b49-46ae-b8a4-f437da98c26b Netherlands (NL)  
 0c235e17-44de-43ef-857f-e2b2acfec393 Spain (ES)

### Ordering

E-Number (Finland)	3640524
E-Number (Sweden)	3182431
EAN	8015644013080
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	8015644013080

### 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	Busbar 45.5 ... 80 mm <sup>2</sup>
---------------------	------------------------------------

Main Circuit	
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 4.3 W
Rated Current (I <sub>n</sub> )	63 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	630 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
Rated Voltage (U <sub>r</sub> )	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	44.1...63 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

## Classifications

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

