



PRODUCT-DETAILS

# XT1C 160 TMD 50-500 3p F F

## XT1C 160 TMD 50-500 3p F F



General Information	
Extended Product Type	XT1C 160 TMD 50-500 3p F F
Product ID	1SDA067394R1
EAN	8015644695194
Catalog Description	XT1C 160 TMD 50-500 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 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
-----------------------------------------	------------------------------------

**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	6963f79e-5b3e-491f-8111-ed51582b95f5 Italy (IT)
Simplified SCIP	03623cf1-c0d9-4f9d-a987-0129b1b5c4e3 Germany (DE) 0b897293-8966-400d-85d3-3adb67e5645e Netherlands (NL) 788f7ce1-ce81-46b1-b516-e8a1a5810a29 Netherlands (NL) aa1def39-a5e1-402c-a7fb-1f69c65bf0cf Germany (DE) 75a37be3-c5f2-48d2-921c-196f3e715fbb Denmark (DK) 2b729765-22b2-414d-96db-c45c85b86b34 Germany (DE) 73e3b539-3241-4e7c-b2e3-a271a8580cce Croatia (HR) f266fe7c-cd54-450c-984b-762ab9f9b7b5 Czech Republic (CZ) 01bac839-3a95-4abc-9842-01bf939126de Netherlands (NL) 6d189084-7c30-4847-b66c-12452df5457e Netherlands (NL) afbc9104-3742-44d7-8a17-ef24c66adf7e Estonia (EE) fa14a73d-5be7-45d6-bea7-eef52df9a461 Greece (GR) c090809c-f591-4fd0-8f91-3f7005422d41 Portugal (PT) 8c6a9e39-4f7d-4d91-a84a-7c5fae9fab39 Bulgaria (BG) a751af1f-ba16-4b16-bae1-88bd49a124fd Sweden (SE) 189d8f20-fd0b-4ae9-9160-02cedac39911 Poland (PL) dfa00889-9143-4640-beda-7b68e77263b4 France (FR) e2a75877-0b3c-423d-a60d-9205fd4b7277 Sweden (SE) 2ba6904a-b275-40a0-a662-5277d2f0e712 Germany (DE) dbbe5839-4af6-41b6-a0d9-d91eb8454cb5 Germany (DE) b8b8214a-1d31-430b-aa6b-829d2c2e0845 Spain (ES) 30e0bf90-1472-4e80-9b14-b35167a34379 Netherlands (NL) 3fc61ee0-7133-460e-943f-e79dba217b6d Poland (PL) 5e5400ef-76f0-49e1-9aff-19542ffb47e1 Poland (PL) 1bc8a6dc-76f2-4cd5-8b92-6cd0b382a8e5 Finland (FI) 46710f5a-a1b8-4e6f-92eb-28c07b84c61b Norway (NO) ecb4dd9f-7134-4b06-9ce6-ba53c0aceabe France (FR)

**Ordering**

Order Code US and Canada	XT1CE3050AFF000XXX
E-Number (Finland)	3638609
EAN	8015644695194
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	1.12 kg
Package Level 1 EAN	8015644695194

### 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 3.7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I <sub>n</sub> )	50 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> )	500 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) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA (525 V AC) 8 kA (690 V AC) 4 kA

	(250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA
Rated Uninterrupted Current ( $I_u$ )	160 A
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
RoHS Date	NA
Setting Range	35...50 A
Short-Circuit Performance Level	C
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)
eClass	V11.1 : 27370409

---

## Categories

---

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

