



PRODUCT-DETAILS

XT1C 160 TMD 50-500 3p F F

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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 %
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
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Environmental

Environmental Information	9AKK108467A6707
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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	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
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 Main Circuit	Busbar 45.5 ... 80 mm ²
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
Rated Current (I _n)	50 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	500 A
Rated Insulation Voltage	800 V

(U _i)	
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(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
Rated Voltage (U _r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
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

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

