PRODUCT-DETAILS

XT1B 160 TMD 50-500 4p F F

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General Information

Extended Product Type	XT1B 160 TMD 50-500 4p F F
Product ID	1SDA066815R1
EAN	8015644694524
Catalog Description	XT1B 160 TMD 50-500 4p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 A

ABB EcoSolutions

ABB EcoSolutions	Yes
ABB Site Meeting Group Waste To Landfill Target	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Extended Product Lifetime	Product Modularity

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Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Declaration	9AKK108466A1424
RoHS Information	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	bc495a05-c140-4988-9a16-a75662da70e2 Italy
Simplified SCIP	ddae66c2-806b-433d-b0a2-0db487196333 Poland 122696f2-3fa0-4945-afb1-410ceb6762e8 Netherlands 9d52a2a2-4fb6-44a0-a705-f65f8ff4be20 Poland c361546f-306a-4455-9f5f-241e24d22663 Bulgaria 942fcae2-db75-42f4-bd74-89204158abed Spain 9e46ddc5-ee73-4d48-949a-668636faf426 Belgium 0fa78f38-ea3b-4be1-b4ef-6fb3654fac5e Germany 944d09ba-f5f8-4f94-8c15-41460326a0b0 Sweden e07051f8-5614-4721-9f3d-5b05cbbe51d4 Greece 1ff2493b-dd4b-4ad1-9224-5f6804904a02 Portugal f27b2979-3d6a-4238-ae4b-3c9800cb0795 Denmark 58c725e8-585c-431b-b2c4-5f49a34d5723 Germany 7d8febd2-0e5a-40e1-b06a-797d0f179bb2 Croatia 8f3f0fa5-68a6-45f8-8b84-4cc619fcf13f Germany 946f6757-10e1-43a2-8fdb-01b82bda1e44 Hungary 5595a4f6-e801-4228-8452-7ebe621ef40d Sweden caef1e41-57e1-4860-9c80-347c923506b5 France b50eaabb-fb5d-47d7-b9de-125008569443 Hungary 30d55ba4-87a2-4332-b85b-fd6ef2e0ed5f Germany 34c93eb5-cd33-47a1-a4d5-95b33745f90e Norway 5fbd1ffd-7557-4a7b-8ffc-5e057bfa07c6 Poland 6b97ba35-0f47-4a3f-8cf0-b5fcbf01abf9 Finland e5165853-a978-4a23-9093-7e879bbb452c Belgium 7a3ea3b7-fc81-4249-8880-d25479827c02 Germany 28222e96-8a15-4e07-8024-e0a6b949d329 Estonia 9cf04b3e-483c-4cb2-ba47-11645a801d33 Czech Republic

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1BE4050AFF000XXX
E-Number (Finland)	3640508
E-Number (Norway)	4309705
EAN	8015644694524
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm

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Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.4 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	1.441 kg
Package Level 1 EAN	8015644694524

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	1SDH001295R0080

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	4P
Opening Time	CB with SOR 30 ms CB with UVR 30 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 (U_i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA

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	(415 V AC) 18 kA (440 V AC) 11.25 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 15 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 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	B
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

External Classifications and Standards

ETIM 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 10	EC000228 - Power circuit-breaker for trafo/generator/installation protection
Object Classification	Q

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Code	
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





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