



PRODUCT-DETAILS

XT1B 160 TMD 100-1000 3p F F

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General Information	
Extended Product Type	XT1B 160 TMD 100-1000 3p F F
Product ID	1SDA066807R1
EAN	8015644694487
Catalog Description	XT1B 160 TMD 100-1000 3p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 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
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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	87da4ae5-d281-4cf7-89ae-08ea1f34c520 Italy
Simplified SCIP	e1a75a7e-0f06-4343-b305-b0bb07d627d7 Germany 9136ee1a-0225-4485-8008-9b9b4f898003 France baa691e3-fb96-4aa9-9079-885f0ce9ffc7 Netherlands 19009d20-fe0a-406e-a6c7-754e2ce79a04 Spain Od017bbc-bd89-4cba-9c40-ce382b69c941 Netherlands 1ac23e01-8938-4cfa-9554-5dc725569cd9 Estonia 3caf7a98-6d33-4e3d-9e3c-3696071c018c Greece b4a8fa85-471c-4024-9dfa-2b3b8002b1fd Portugal 40ae467e-12cd-4ff4-9b7b-0b06c10682c8 Bulgaria 34e0ba7e-9ada-4036-a46c-78818d351a10 Sweden 7688f27b-0303-4931-a1b9-201ec758eed9 Poland 2973e92d-a825-4905-b178-8271043cd3fc Netherlands 88dd4d2a-48ef-40e5-a5a4-8777e0caf1ae Poland 28af0011-3352-4568-ae2e-5c6f712f69ce Norway 139a4e60-c144-4385-9f47-109d95a5e80f Finland fdaa062c-f086-4a1a-84ad-e07827068768 Netherlands b45b713c-aac6-486d-860d-62c7bd566c76 Germany 7cd9e27b-8379-4d1d-9c10-2494ae68a5e5 Denmark b5672789-5124-44cd-b9aa-10e3f35aba7a Germany 4b159a82-b08b-4bd6-9325-11ce5cdf5448 Croatia dde32885-1587-472c-b2dd-1326e5aad4e2 Czech Republic f4f530b5-c734-46f4-9e51-1699fa3f6f95 Poland 7684609b-1286-40fa-be35-8e161c571a09 Netherlands 53567a62-c858-4312-a586-9c3dff2aeb2a France 97a62aeb-f463-485d-802c-da5b271e1915 Sweden 706a0ec2-b9e6-48d8-a2e7-e213302d4bc2 Germany 6f865dc7-914e-4ee1-bd3b-f9f2de603622 Germany

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1BE3100AFF000XXX
E-Number (Finland)	3640495
E-Number (Norway)	4309608
EAN	8015644694487
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth /	70 mm

Length	
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	1.134 kg
Package Level 1 EAN	8015644694487

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	3P
Opening Time	CB with SOR 30 ms CB with UVR 30 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 7 W
Rated Current (I _n)	100 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	1000 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 (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	70...100 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 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
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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

