

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
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Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 60.9 %
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available
Toxic Substances	9AKK108467A8326

Control Act - TSCA

Eco Transparency

Environmental Product Declaration - EPD 9AKK108468A1890

Environmental

Environmental Information	9AKK107991A8215 9AKK108467A6707
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	87da4ae5-d281-4cf7-89ae-08ea1f34c520 Italy (IT)
Simplified SCIP	9136ee1a-0225-4485-8008-9b9b4f898003 France (FR) baa691e3-fb96-4aa9-9079-885f0ce9ffc7 Netherlands (NL) 19009d20-fe0a-406e-a6c7-754e2ce79a04 Spain (ES) 0d017bbc-bd89-4cba-9c40-ce382b69c941 Netherlands (NL) 1ac23e01-8938-4cfa-9554-5dc725569cd9 Estonia (EE) 3caf7a98-6d33-4e3d-9e3c-3696071c018c Greece (GR) b4a8fa85-471c-4024-9dfa-2b3b8002b1fd Portugal (PT) 40ae467e-12cd-4ff4-9b7b-0b06c10682c8 Bulgaria (BG) 34e0ba7e-9ada-4036-a46c-78818d351a10 Sweden (SE) 7688f27b-0303-4931-a1b9-201ec758eed9 Poland (PL) 2973e92d-a825-4905-b178-8271043cd3fc Netherlands (NL) 88dd4d2a-48ef-40e5-a5a4-8777e0caf1ae Poland (PL) 28af0011-3352-4568-ae2e-5c6f712f69ce Norway (NO) 139a4e60-c144-4385-9f47-109d95a5e80f Finland (FI) fdaa062c-f086-4a1a-84ad-e07827068768 Netherlands (NL) b45b713c-aac6-486d-860d-62c7bd566c76 Germany (DE) 7cd9e27b-8379-4d1d-9c10-2494ae68a5e5 Denmark (DK) b5672789-5124-44cd-b9aa-10e3f35aba7a Germany (DE) 4b159a82-b08b-4bd6-9325-11ce5cdf5448 Croatia (HR) dde32885-1587-472c-b2dd-1326e5aad4e2 Czech Republic (CZ) f4f530b5-c734-46f4-9e51-1699fa3f6f95 Poland (PL) 7684609b-1286-40fa-be35-8e161c571a09 Netherlands (NL) 53567a62-c858-4312-a586-9c3dff2aeb2a France (FR) 97a62aeb-f463-485d-802c-da5b271e1915 Sweden (SE) 706a0ec2-b9e6-48d8-a2e7-e213302d4bc2 Germany (DE) 6f865dc7-914e-4ee1-bd3b-f9f2de603622 Germany (DE)

Ordering

Order Code US and Canada	XT1BE3100AFF000XXX
E-Number (Finland)	3640495
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 / 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	1.134 kg
Package Level 1 EAN	8015644694487

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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 7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I _n)	100 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U _r)	690 V
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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
RoHS Date	NA
Setting Range	70...100 A
Short-Circuit Performance Level	B
Standards	IEC
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
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

