



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 - 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
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**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	87da4ae5-d281-4cf7-89ae-08ea1f34c520 Italy (IT)
Simplified SCIP	e1a75a7e-0f06-4343-b305-b0bb07d627d7 Germany (DE) 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 <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 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> )	100 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> )	1000 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) 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	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
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	V11.1 : 27370409

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## Categories

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

