



PRODUCT-DETAILS

XT1B 160 TMD 32-450 3p F F

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General Information	
Extended Product Type	XT1B 160 TMD 32-450 3p F F
Product ID	1SDA066802R1
EAN	8015644694463
Catalog Description	XT1B 160 TMD 32-450 3p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
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 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	f73e4266-0af4-4cef-b9b3-260c00a910f9 Italy (IT)
Simplified SCIP	7aac2671-b6b8-4dcf-aa1e-3f4dba5449be Germany (DE) 06390208-d394-410e-9842-b8f1aa84ad09 Poland (PL) ce31830e-4feb-4262-8ac1-c0a505cbd58c Norway (NO) 43aad17a-9e80-44f3-9db3-9d6d35642925 Finland (FI) e181dcff-17e3-4829-8167-be0ead9f9f4f Netherlands (NL) 7515b418-fb55-4766-95e2-4323a6ecd612 Germany (DE) 45a6cb81-5081-41fe-a071-5cf38b8adf65 Denmark (DK) ff639201-5b12-440f-821d-3a6c4ce2953c Germany (DE) f913e764-1c76-4c93-9fc0-2a0875805dc8 Croatia (HR) dc0ff913-83d0-4f15-babc-7a856a1b3255 Czech Republic (CZ) b020eae-bcf23-445c-95a4-4f103ce43fa5 Poland (PL) fa9663ae-4d74-4267-a4b0-fcfc539c2914 Netherlands (NL) a409c160-db3e-4860-adba-1d89501dd2c5 Netherlands (NL) aebf759a-29ca-419e-b416-0ecf3b3f9577 Estonia (EE) e0db3e96-345c-4b56-91d0-3a02a89a2482 Greece (GR) 094c590f-e054-4452-9a76-5fb143f976e9 Portugal (PT) 2e656ab5-eff3-4755-bcc3-052950d58ddb Bulgaria (BG) df9ecf69-1483-4540-b0c4-3bdfc49abdad Sweden (SE) c6236bbe-bf16-4be7-9c71-7d042fe7dbe1 Poland (PL) d6074c8c-4abc-41ae-ad9f-fa07173c3572 France (FR) 382fe93d-82da-457d-b30e-7032f1b8681e Sweden (SE) 908a3719-74a3-4ad9-8c4f-413f7b640fe2 Germany (DE) c0dd578e-17bc-4735-a4bd-35aac606fc6d Germany (DE) f358ac58-4638-4878-b499-0f7191ed7405 France (FR) efc96197-3e4f-4d77-a0c4-4a5c216675e2 Netherlands (NL) 9131538b-9a93-4dc4-88d8-690a0b2651e3 Spain (ES) d203dbb9-dd7c-4d5d-ad5c-3e96966e8826 Netherlands (NL)

**Ordering**

Order Code US and Canada	XT1BE3032AFF000XXX
E-Number (Finland)	3638629
EAN	8015644694463
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	1.11 kg
Package Level 1 EAN	8015644694463

**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 2.1 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current ( $I_n$ )	32 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 ( $I_i$ )	450 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
Setting Range	22.4...32 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

### Categories

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

