



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	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
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 mm²
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

