



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
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	f73e4266-0af4-4cef-b9b3-260c00a910f9 Italy
Simplified SCIP	7aac2671-b6b8-4dcf-aa1e-3f4dba5449be Germany 06390208-d394-410e-9842-b8f1aa84ad09 Poland ce31830e-4feb-4262-8ac1-c0a505cbd58c Norway 43aad17a-9e80-44f3-9db3-9d6d35642925 Finland e181dcff-17e3-4829-8167-be0ead9f9f4f Netherlands 7515b418-fb55-4766-95e2-4323a6ecd612 Germany 45a6cb81-5081-41fe-a071-5cf38b8adf65 Denmark ff639201-5b12-440f-821d-3a6c4ce2953c Germany f913e764-1c76-4c93-9fc0-2a0875805dc8 Croatia dc0ff913-83d0-4f15-babc-7a856a1b3255 Czech Republic b020eae-bcf23-445c-95a4-4f103ce43fa5 Poland fa9663ae-4d74-4267-a4b0-fcfc539c2914 Netherlands a409c160-db3e-4860-adba-1d89501dd2c5 Netherlands aebf759a-29ca-419e-b416-0ecf3b3f9577 Estonia e0db3e96-345c-4b56-91d0-3a02a89a2482 Greece 094c590f-e054-4452-9a76-5fb143f976e9 Portugal 2e656ab5-eff3-4755-bcc3-052950d58ddb Bulgaria df9ecf69-1483-4540-b0c4-3bdfc49abdad Sweden c6236bbe-bf16-4be7-9c71-7d042fe7dbe1 Poland d6074c8c-4abc-41ae-ad9f-fa07173c3572 France 382fe93d-82da-457d-b30e-7032f1b8681e Sweden 908a3719-74a3-4ad9-8c4f-413f7b640fe2 Germany c0dd578e-17bc-4735-a4bd-35aac606fc6d Germany f358ac58-4638-4878-b499-0f7191ed7405 France efc96197-3e4f-4d77-a0c4-4a5c216675e2 Netherlands 9131538b-9a93-4dc4-88d8-690a0b2651e3 Spain d203dbb9-dd7c-4d5d-ad5c-3e96966e8826 Netherlands

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1BE3032AFF000XXX
E-Number (Finland)	3638629
E-Number (Norway)	4309603
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 /	70 mm

Length

Product Net Weight	1.1 kg
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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
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 2.1 W
Rated Current (I _n)	32 A
Rated Frequency (f)	50 / 60 Hz
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
Rated Voltage (U_r)	690 V
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

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

