



PRODUCT-DETAILS

XT1B 160 TMD 50-500 3p F F

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General Information	
Extended Product Type	XT1B 160 TMD 50-500 3p F F
Product ID	1SDA066804R1
EAN	8015644007119
Catalog Description	XT1B 160 TMD 50-500 3p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 50-500 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	a10a99fa-25ac-433d-b62d-7689b50c5c6c Italy
Simplified SCIP	41cd25de-2393-4a57-97ea-cc906e39537c Germany 69cd6212-a899-4286-a772-8f474dc6c2bb Poland 37f17624-f471-4fd3-9b01-4c3625894ed3 Norway 4a34c8c8-9faf-4d2f-a59b-f51d5cdd4e8d Finland 5537a32c-26dc-4c9d-bc95-cb9905d66cfc Netherlands ef53c3b5-bc52-49fb-b855-7a8f21515267 Germany 56d03ad1-bd96-4376-9736-79e2ef64f4ab Denmark b3206c37-260c-4ebf-b240-4996b994f65d Germany ddb77a11-e6f5-4b70-bf76-a947793ddf48 Croatia 2c66013a-028e-4ca1-ac7d-2a830f47a45b Czech Republic 6dcf4af9-a40a-4f40-9d60-663b40bbfcd5 Poland 614bc1e9-9182-4efb-aa78-e6e9372fd979 Netherlands e9e72111-5dc6-449c-afad-bfb9bf049e48 Netherlands b9ea0014-b614-4eed-a49a-4a83d350ab8b Estonia f45570f0-233c-43c3-9f60-758b79f8fb85 Greece 2d3090e5-4296-4969-815a-fc359c86aeef Portugal ef329402-0bc6-458f-adc4-ca0f59af1e1c Bulgaria 025d7c1b-8c66-4efe-8e49-75d8efc43eba Sweden 5be09893-83ce-4487-b2ec-d9a313525d19 Poland fcfc9e57-aec8-4b59-a24d-f90af6d29625 France 338fd03f-9159-443a-9b5a-4a9e4e3be02e Sweden a0316fa6-51b1-46f4-ae1e-139caf62298e Germany 149a8272-3a2b-4d5c-8608-5789a28b417d Germany c4ea13ca-23b7-43e3-afbb-04d28a093f11 France 3e5bb53d-fed4-4a12-a764-6f9cf645e4c7 Netherlands 513eef80-bdee-472a-815e-31c738e5c4da Spain bff7649f-dcc0-4167-b394-414dac45600a Netherlands

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1BE3050AFF000XXX
E-Number (Finland)	3640498
E-Number (Norway)	4309605
EAN	8015644007119
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

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	8015644007119

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 3.7 W
Rated Current (I _n)	50 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	500 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	35...50 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 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 10	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

