

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
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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

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	a10a99fa-25ac-433d-b62d-7689b50c5c6c Italy (IT)
Simplified SCIP	69cd6212-a899-4286-a772-8f474dc6c2bb Poland (PL) 37f17624-f471-4fd3-9b01-4c3625894ed3 Norway (NO) 4a34c8c8-9faf-4d2f-a59b-f51d5cdd4e8d Finland (FI) 5537a32c-26dc-4c9d-bc95-cb9905d66cfc Netherlands (NL) ef53c3b5-bc52-49fb-b855-7a8f21515267 Germany (DE) 56d03ad1-bd96-4376-9736-79e2ef64f4ab Denmark (DK) b3206c37-260c-4ebf-b240-4996b994f65d Germany (DE) ddb77a11-e6f5-4b70-bf76-a947793ddf48 Croatia (HR) 2c66013a-028e-4ca1-ac7d-2a830f47a45b Czech Republic (CZ) 6dcf4af9-a40a-4f40-9d60-663b40bbfcd5 Poland (PL) 614bc1e9-9182-4efb-aa78-e6e9372fd979 Netherlands (NL) e9e72111-5dc6-449c-afad-bfb9bf049e48 Netherlands (NL) b9ea0014-b614-4eed-a49a-4a83d350ab8b Estonia (EE) f45570f0-233c-43c3-9f60-758b79f8fb85 Greece (GR) 2d3090e5-4296-4969-815a-fc359c86aeef Portugal (PT) ef329402-0bc6-458f-adc4-ca0f59af1e1c Bulgaria (BG) 025d7c1b-8c66-4efe-8e49-75d8efc43eba Sweden (SE) 5be09893-83ce-4487-b2ec-d9a313525d19 Poland (PL) fcfc9e57-aec8-4b59-a24d-f90af6d29625 France (FR) 338fd03f-9159-443a-9b5a-4a9e4e3be02e Sweden (SE) a0316fa6-51b1-46f4-ae1e-139caf62298e Germany (DE) 149a8272-3a2b-4d5c-8608-5789a28b417d Germany (DE) c4ea13ca-23b7-43e3-afbb-04d28a093f11 France (FR) 3e5bb53d-feda-4a12-a764-6f9cf645e4c7 Netherlands (NL) 513eef80-bdee-472a-815e-31c738e5c4da Spain (ES) bff7649f-dcc0-4167-b394-414dac45600a Netherlands (NL)

Ordering

Order Code US and Canada	XT1BE3050AFF000XXX
E-Number (Finland)	3640498
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 / 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 /	143 mm

Length	
Package Level 1 Gross Weight	1.134 kg
Package Level 1 EAN	8015644007119

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 3.7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	50 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_s)	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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	35...50 A
Short-Circuit Performance	B

Level	
Standards	IEC
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

