



PRODUCT-DETAILS

XT1B 160 TMD 25-450 4p F F

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General Information

Extended Product Type	XT1B 160 TMD 25-450 4p F F
Product ID	1SDA066812R1
EAN	8015644007195
Catalog Description	XT1B 160 TMD 25-450 4p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 25-450 A

ABB EcoSolutions

ABB EcoSolutions	Yes
ABB Site Meeting Group	UL 2799 Zero Waste To Landfill Validation available
Waste To Landfill Target	
End Of Life Disassembling Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Extended Product Lifetime	Product Modularity
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Declaration	9AKK108466A1424
RoHS Information	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	8cb3ed1b-4dd2-4c55-a8f6-faabe7c2b9ad Italy
Simplified SCIP	7f55227d-81b0-426c-b95d-87c224a5525b Spain f02605f6-fb0e-4e86-98af-0814a8d0ba70 Hungary d0ab3184-a0e7-41a0-9c0f-b2936d10155f Belgium 83abee8b-5b8f-4dae-9018-3f08f8109dfe Germany c49eab37-57f8-4b6e-84c4-ef9413dd28c2 Denmark 0b417151-96f3-4697-b26c-15be68f6f56b Sweden a733aefb-7fc4-4b91-aaf8-0cfa9038a88d Croatia c70822c6-3b77-41dc-9438-f29d72d6261c Germany 35f94476-ae3c-4f8f-a673-1e1004524daf Germany c55964cb-9eba-4808-98b2-9558a3643a72 Czech Republic e4c49f80-81bb-456a-9545-3af28943ceae France 57858120-58a5-4f82-8b27-7242054e05d8 Poland 21eb8b7f-fbd0-44f2-afbe-65f5b5470087 Finland a656bff7-6b0a-4bcb-9873-06bcc001c424 Netherlands 85de621d-acc3-4fb3-852b-4537b886822d Norway e422f81e-d870-43eb-af88-077488e3c5bc Sweden 56123d5f-2c84-40b7-8116-79fa14e412d7 Bulgaria 1e925491-bad4-4cda-8f75-8d0f91c758c8 Portugal dd28347b-5e19-4326-831a-d3757956d536 Germany 7b88bc6a-b066-4793-9f9d-993f2163e806 Poland 0cc592fd-cdbe-4e10-aa1d-7efffb9d65e6 Germany b29ab876-8a3d-4ccc-9943-c92002afdb31 France 8ac237d2-0f40-437a-9c46-6cd5a1142107 Greece 06173978-d35f-4fd9-ad70-2c549716b779 Poland c1baa18a-7f83-4a85-9554-4483bebe4720 Hungary ba8fae24-e97e-45ec-a566-c60a2adc74b4 Estonia af8d3bdb-26fb-4075-847f-2b2d365fc2f8 Belgium

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1BE4025AFF000XXX
E-Number (Finland)	3640505
E-Number (Norway)	4309702
EAN	8015644007195
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.4 kg

Container Information

Package Level 1 Units	box 1 piece
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Package Level 1 Width	128 mm
Package Level 1 Height	135 mm
Package Level 1 Depth / Length	143 mm
Package Level 1 Gross Weight	1.424 kg
Package Level 1 EAN	8015644007195

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	1SDH001295R0080

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	4P
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 W
Rated Current (I_n)	25 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_s)	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	17.5...25 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)
eClass	V11.1 : 27370409

Categories

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

