PRODUCT-DETAILS

XT1B 160 TMD 160-1600 4p F F InN=50%

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General Information

Extended Product Type	XT1B 160 TMD 160-1600 4p F F InN=50%
Product ID	1SDA066820R1
EAN	8015644694548
Catalog Description	XT1B 160 TMD 160-1600 4p F F InN=50%
Long Description	C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A NEUTRAL = 50% PHASES

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
Extended Product Lifetime	Product Modularity

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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	0f47cb36-72fe-475b-9d44-e7162dd91cf8 Italy
Simplified SCIP	e789caf7-2f0e-4a4e-ac89-3ed7c162c3cb Germany f3b389ae-ee49-4f3c-ac8e-d9aa64d6309c Poland 6b679552-522c-4e98-b9ce-44ded6762588 Norway 55ba062a-70fe-453d-86df-d06fec9ae32d Finland 9461b33e-03e0-44ca-999e-e6a998cfacd9 Netherlands 03403a8d-3037-410c-8b89-fe964747db15 Denmark d5c79654-79e3-4468-8f04-7d01b97952d3 Germany f01beedf-c29a-49a7-9e6b-9726c78d534f Croatia d7bc5acf-2cfd-46d0-8b61-d9222f7251dd Czech Republic c8ce45bc-d563-4a02-8439-7a9973037324 Poland 59900f81-babd-48db-98f3-730c4bb583a7 Netherlands 3df8cff5-a6af-4e4c-8da2-1f1cf2458358 Netherlands 8a9e0ab1-ddd0-4732-a15f-629488d1d7b0 Estonia 2dba0553-3a06-4d82-96ee-8f5468b20d8a Greece 84bfff2d-ab17-4788-889c-104b089752e0 Portugal 7178081c-1c8e-4ac5-b349-298a1ba6fa1e Bulgaria 6b75e419-c8c2-42ab-8fd5-75b76d1db38b Sweden 452acd20-9e7a-4539-a4b5-961431173a77 Poland 3d7d4679-2709-4d9c-8a78-f6dfac23e0ac France c235ef43-1cd7-460c-bc13-079a2dc68c50 Germany a6fc3fa7-b397-4ab3-a9bb-def664af2c9b Sweden 8e539e72-891c-4ca0-af09-3e5ab3ecd832 Germany fe1f9b73-5333-4870-a3b4-5c399315d6c0 Germany 3c755ed1-9f8e-4276-adc9-1f6fc523398c France 702ebc5d-84ec-46cf-8c90-9064bf328fbe Netherlands c9ab9560-a8c3-46ca-b1c9-0014085708f1 Spain 0ff56839-d670-4504-90a9-cd544fd5f037 Netherlands

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1BEN160AFF000XXX
E-Number (Finland)	3640503
EAN	8015644694548
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm

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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
Package Level 1 Width	128 mm
Package Level 1 Height	135 mm
Package Level 1 Depth / Length	143 mm
Package Level 1 Gross Weight	1.452 kg
Package Level 1 EAN	8015644694548

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 15 W
Rated Current (I_n)	160 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	1600 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

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	(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	112...160 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	Q

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Code	
UNSPSC	39120000
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





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