PRODUCT-DETAILS

XT2N 160 TMA 160-1600 3p F F

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General Information

Extended Product Type	XT2N 160 TMA 160-1600 3p F F
Product ID	1SDA067020R1
EAN	8015644009267
Catalog Description	XT2N 160 TMA 160-1600 3p F F
Long Description	C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 160 I3=800...1600 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	9AKK108468A2348
Environmental Product Declaration - EPD	9AKK108469A1856 9AKK108468A1891
Extended Product Lifetime	Product Modularity
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.70 %

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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	d519e276-d4b0-4b42-8a55-c1a563681fc8 Italy
Simplified SCIP	fe9c7b75-7199-4058-bd55-f39c45d837b1 Germany a2e7e927-2395-4bdc-be8d-810d0cb0ae45 Portugal e89088df-21ed-4d26-b95c-a0480b45024d Bulgaria e5f2f46a-2fd6-4c7e-bb25-a46cf48987e3 France 6e917ee4-4216-40f5-a8a3-e310dc60dc70 Norway e5692b23-c0ac-4f4c-8b6c-d1ade35c30c2 Finland 45c61df3-6641-4084-81a3-7d93bafd3854 Netherlands 911050ef-ac90-4e21-b4b9-a662112db80f Spain 24003ffc-e1a5-47bb-a8b8-451202db8f05 Netherlands eda1b4f0-a70f-4d5d-9cd4-b12af82bd479 Poland 6a135342-7f65-41e7-bf92-aafb3e7dba8f Sweden e90f788c-8237-4208-bcbb-b57b6e8c6f34 Poland 6bde395d-b3ce-4547-bfe6-9d0f2acce853 Sweden 7baa1ff8-47fc-47fa-9a52-115afb224150 Germany 21953dfb-88b7-46f1-aef2-9ca2ee14f1ce Germany 80fdd440-e1f4-40c8-84f2-ebdf68d25284 France 7e70c592-6fe7-42ff-b672-c12bef9daa96 Netherlands ca62c6c8-a70f-4cc1-aaa4-dca46695e677 Germany cbc6c65f-2667-4430-9264-3c5c6ef91dd8 Denmark b8480e5f-7d16-408a-8c42-d667687e8b3c Germany d5a93a62-0ed3-46a8-bbb0-0a366c1f5015 Croatia 49681ffe-e667-4540-8372-39afd4cfc136 Czech Republic 86caf239-3aec-4c05-be83-437f0192df0c Poland c2be7ce5-f3a1-4875-a255-24d9e26372b6 Netherlands c4510edb-e303-4d7c-a5e9-ec2994672c7b Netherlands 08c21b77-eaa8-4840-ad41-8c49aec664ef Estonia aeaa3db2-98c3-4a85-998b-8b9815801ce8 Greece

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT2NE3160BFF000XXX
E-Number (Finland)	3638177
E-Number (Norway)	4309646
EAN	8015644009267
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	90 mm
Product Net Height	130 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	1.4 kg

Container Information

Package Level 1 Units	box 1 piece

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Package Level 1 Width	130 mm
Package Level 1 Height	208 mm
Package Level 1 Depth / Length	145 mm
Package Level 1 Gross Weight	1.657 kg
Package Level 1 EAN	8015644009267

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	1SDH002230A1001

Technical

Connecting Capacity Main Circuit	Busbar 32.5..100 mm²
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 16.15 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)	800…1600 A
Rated Insulation Voltage (U_i)	1000 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 36 kA (500 V AC) 30 kA (525 V AC) 20 kA (690 V AC) 10 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA (380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 36 kA (500 V AC) 30 kA (525 V AC) 20 kA (690 V AC) 10 kA (250 V DC) 2 Poles in Series 36 kA

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	(500 V DC) 3 Poles in Series 36 kA
Rated Uninterrupted Current (I_u)	160 A
Rated Voltage (U_r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMA
Release Type	TM
Setting Range	112...160 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
Sub-type	XT2
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	9AKK106713A5901
GL Certificate	1SDL000163R0093
LR Certificate	1SDL000163R0100
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000721R0100
Mechanical Drawings	1SDH000721R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000721R0001

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
IDEA Granular Category Code (IGCC)	4927 >> Molded case circuit breakers
Object Classification Code	Q
UNSPSC	39121616
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	V11.1 : 27370409

Categories

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





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