PRODUCT-DETAILS

XT2N 160 TMA 160-1600 4p F F InN=50%

XT2N 160 TMA 160-1600 4p F F InN=50%



General Information

Extended Product Type	XT2N 160 TMA 160-1600 4p F F InN=50%
Product ID	1SDA067041R1
EAN	8015644009472
Catalog Description	XT2N 160 TMA 160-1600 4p F F InN=50%
Long Description	C.BREAKER TMAX XT2N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 160 I3=800...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	9AKK108468A2348
Environmental Product Declaration - EPD	9AKK108469A1856 9AKK108468A1891
Extended Product Lifetime	Product Modularity

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Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.70 %

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	3889c23b-2ea6-469a-84db-70feb881b0d3 Italy
Simplified SCIP	f0a25bcd-607f-4c65-958c-51253ac244e8 Germany 98fcd22e-3f8f-4cd3-abb5-840a3987d872 Germany dcf20773-2dbb-4339-956e-46d810971c52 Czech Republic cc705b6e-0491-489c-b0ec-19355c18253f Germany 4ba6c340-7ccf-4f73-900f-dd2e0835764e Portugal d10b6604-49f3-459c-adf1-2d9ede2e0667 Denmark 5ae57962-bdfd-4b75-951b-e7e9d84d0c12 Sweden f2561584-b34c-49df-a2f7-cdfb6eda4e78 Croatia e309b6d3-cd4e-44a9-bb8b-fc302b5cda99 Germany 79f6a600-3a65-41d4-8df8-741274140477 Hungary 629cf93b-52cd-4256-9803-0f6a4cac97d5 Spain 64e65409-03c8-4152-8ca2-4fcac2a5c069 Belgium 2fb89f16-d0f1-4ae5-a522-6c4027225610 France cea15b76-265c-497f-85e4-fb0d67a8ed95 Bulgaria d2538ace-4404-47f6-8c71-9efba386cfd0 Netherlands 2b36e778-9df8-4a38-8f18-6f53147c5a01 Norway d19a02b1-de7a-40bd-b3b3-e2d0a041c6e8 Sweden 122922bc-f9b3-48bb-b7cd-b5ff8f233598 Poland 2e4a6c77-945f-42d2-9780-cf89e0b8eef7 Poland ad0da37c-0b83-4ab7-b407-63aac144de10 Germany d0479b2f-c7d7-48cb-acf6-2fb7cb57cda2 Hungary f5e27ac7-4a30-4871-9aa2-66984bc8c296 Poland 01cd1cef-d87e-48cf-b08d-3edd7087edec Finland dda057ca-0776-4b57-ab70-6eb3b4b69f72 Estonia 7f4477c5-8a41-4d14-83e5-90a5f3725339 Belgium c4948a84-d213-447f-9081-cd14682e7172 Greece 06cdfbcb-a307-42a8-b76d-775969dc68f6 France

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT2NEN160BFF000XXX
EAN	8015644009472
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	120 mm
Product Net Height	130 mm

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Product Net Depth / Length	82.5 mm
Product Net Weight	1.45 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	131 mm
Package Level 1 Height	212 mm
Package Level 1 Depth / Length	147 mm
Package Level 1 Gross Weight	1.55 kg
Package Level 1 EAN	8015644009472

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	1SDH002230A1002

Technical

Connecting Capacity Main Circuit	Busbar 32.5..100 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 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

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	(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 (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
Object Classification Code	Q

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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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