PRODUCT-DETAILS

XT2N 160 MA 80 Im=480...1120 3p F F

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General Information

Extended Product Type	XT2N 160 MA 80 Im=480...1120 3p F F
Product ID	1SDA067052R1
EAN	8015644009588
Catalog Description	XT2N 160 MA 80 Im=480...1120 3p F F
Long Description	C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND MAGNETIC RELEASE MA Iu 80 A I3=480...1120 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

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Subject to change without notice

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	3a67bffc-07bb-4eb4-bdbc-0799f2bdadf6 Italy
Simplified SCIP	a1760667-126c-4554-9aef-e50f65670781 Spain ce7eceb7-cda1-4218-af7c-030ee2fcf723 Belgium 2ace57a6-4ee7-4bd8-a495-8a16de665e1d Denmark 75f540e5-0ef9-49c3-8c2d-a3e227b12e30 Sweden c8fd42dd-43e3-4807-a0f9-cd8b75fb4064 Germany 04be9869-70b6-4b93-bb77-1915b820b56a Germany 023064c6-e107-455e-b8b8-2c0cd2605b09 Croatia 357cecf5-7937-4576-af93-ee897368a1d6 Czech Republic 8f639353-c133-47eb-a944-9788dc5453a3 Germany a7f2c05b-faeb-44e8-940f-92973647662d Hungary 3a8d4787-80a2-4b1a-ab96-fdf5cfdbab0d France d04f4a1f-2c09-430b-b02f-fcb825517799 Portugal db7e42fe-09a2-4662-8b8e-8104f0d96588 Germany 67ee3326-59c9-43be-85e6-2ee233d1ca9a Poland 137c0a53-88b3-4c45-aac1-69fb9cf74781 Finland f368cc1a-3d41-49b1-8492-7159709e7f68 Sweden aa5ad7c5-2167-4dbf-8aef-8eea2c22e376 Netherlands e545046f-0509-4f47-bc1a-31360c08a218 Norway e2e7e2eb-ca7f-4a98-b02a-7e1efca92685 Bulgaria 8c201c66-0673-453d-9f98-85be04ff8e09 Poland 37e54526-66d6-4f3d-87c8-a6a134d6e09f Poland 712f5527-c654-46ca-b4af-187cd500a9aa Estonia 49285c8a-e017-4d59-886e-1af19356b903 Belgium 0100cdba-ab7b-458b-9c4a-f0d483db5e88 Hungary 7845c99b-3706-4660-adab-005413c4ae3d Greece c020ab16-7d4a-4f5f-b4bf-b2c7d9de3ea4 Germany c023d139-00ff-4372-97e2-aaf7af30b03f France

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT2NE3080MFF000XXX
E-Number (Norway)	4309683
EAN	8015644009588
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	90 mm

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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
Package Level 1 Width	130 mm
Package Level 1 Height	208 mm
Package Level 1 Depth / Length	145 mm
Package Level 1 Gross Weight	1.672 kg
Package Level 1 EAN	8015644009588

Additional Information

Circuit Breaker Type to be Associated	Motor Protection
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 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	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 5.8 W
Rated Current (I_n)	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	480...1120 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

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	(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 (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	MA
Release Type	M
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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