PRODUCT-DETAILS

XT2N 160 TMA 80-800 4p F F

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General Information

Extended Product Type	XT2N 160 TMA 80-800 4p F F
Product ID	1SDA067038R1
EAN	8015644009441
Catalog Description	XT2N 160 TMA 80-800 4p F F
Long Description	C.BREAKER TMAX XT2N 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMA R 80 I3=400...800 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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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	529d6170-32f5-4596-9d0d-fba779e0cbd7 Italy
Simplified SCIP	34682549-027f-4ecf-ba6c-162b4e32d43d Poland 8b52d3a9-6a87-4294-a146-ba6c2d10d2c1 Croatia 068c602b-bcdf-4d95-a282-ee0f5ddbe190 Germany d9c62698-591a-4305-8367-77af724d260a Germany a4609cd4-7a05-4b58-9469-9f0a58aefdf7 Germany 0a34245c-06e1-417a-b8dd-0536786abe8c Portugal 6dd9bf55-7351-46c3-952b-63b67581cc84 France 51d945be-1bff-49db-ab77-a846197ce40a Greece 1ba0626c-95eb-4bec-acd2-71f5481e9e37 Netherlands 6c7dc029-7765-4d9c-b93f-d4b0ee88ef58 Sweden 38864210-59a3-403f-89f4-62b9c2339fc5 Estonia e735a1a8-6313-4b7e-9e16-c510409c9781 Belgium 9f1f42ee-96cb-4df3-99c8-c6e4ca50c6e0 Finland d9048b45-6475-4ebf-bc8c-b0b78baaaabb Hungary 600080f3-e890-4914-ab90-fbb0fd79e39c Poland efc6d4b8-4068-4942-bc09-8e1631613075 Sweden 55e20484-e71a-446a-94ad-f7f3a2e86c0d Denmark 8f512684-898f-4d9a-96d2-d82a4d25375d Germany 0d62c191-b309-4242-a37b-2b81a20c5a5b Poland 08b52ad4-5a41-4129-b8fa-10f50fbe91ac Bulgaria caae25b5-c231-4372-bf0f-94da4bda0c96 Norway 50853484-e786-47e3-ab8f-85d313a304f4 Belgium 78033f68-3134-4311-9e19-8ca66198efab Spain 65bed92b-23c0-4148-91de-5bc446ea462d France b979a39e-9ee7-4224-bd11-35e168e73f07 Hungary 5c6c4710-9f29-4378-9995-e681bfa76790 Germany 562f7abc-c4ec-423e-b936-89762b629736 Czech Republic

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT2NE4080BFF000XXX
E-Number (Norway)	4309743
EAN	8015644009441
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	120 mm

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Product Net Height	130 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	1.6 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	2.108 kg
Package Level 1 EAN	8015644009441

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 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)	400…800 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	TMA
Release Type	TM
Setting Range	56...80 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	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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