PRODUCT-DETAILS

XT2N 160 MF 2 Im=28 3p F F

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General Information

Extended Product Type	XT2N 160 MF 2 Im=28 3p F F
Product ID	1SDA067045R1
EAN	8015644009519
Catalog Description	XT2N 160 MF 2 Im=28 3p F F
Long Description	C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND MAGNETIC RELEASE MF Iu 2 A I3=28 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	978c1b85-98d2-4f4d-a149-e6ffe85089e8 Italy
Simplified SCIP	18f8812a-607d-463e-aa3a-271a9d410836 Germany bc5ee89b-8251-4581-86a0-26a7acb255b9 France 7d7f25b9-0185-4abe-b6ed-21d8c2e35f3a Netherlands ac1699cf-df65-4ec8-a62d-8376dc3807d2 Spain b9a04421-e11c-472f-9efa-940964e33813 Netherlands efc2f49e-8adf-4ff7-81ba-055a1922b5cd Poland a4fd63ce-2704-40f4-b082-4f18c257956e France 48e76d38-2544-4163-ad64-c51b97b53e58 Norway 2e0e210d-3df2-4d8f-ad80-b3427618f2b9 Finland 4278eec1-8887-4fc1-8c45-e4d2ebe843d0 Netherlands 22bc46b1-a990-43a3-9ef9-1a946ad6f1a2 Germany 3d7cae76-75ea-4e70-8ca5-f7e950764905 Denmark 3eecc315-b52c-4401-b582-b167b38797d7 Germany 7fae62fd-7996-49e1-b904-6d6ed6b13deb Croatia ac828e97-2078-4b14-a2b2-221ca63edf98 Czech Republic bbfba65c-6489-4fdb-8432-197446bf89d1 Poland d6c1c3f3-40f9-4ef1-a3ce-0beaab48ceab Netherlands 7ed7267e-5938-4672-9d66-a1f4fe64d302 Netherlands 76d536d7-473b-4b5c-a69d-3b3091caae33 Estonia d6c224a7-b2ec-47ed-8983-3647dc70121a Greece 8388aaf1-1d52-471f-9309-1193148761c1 Portugal fc2625b7-39da-4db6-8c13-b23193a42e93 Bulgaria 50339a9f-524b-4f0f-afc1-31a2858ff646 Sweden 239550f7-b9f9-4a34-a1bd-eea13e2a9631 Poland 2676ed18-b7d9-4442-8d3e-1d4047232e1c Sweden 3708fafa-9452-49b8-86cd-2fb1b263cb89 Germany 04ddb427-9f2e-43aa-802f-2b2e6a56fb9d Germany

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT2NE3002IFF000XXX
E-Number (Norway)	4379354
EAN	8015644009519
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	1.1 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	131 mm

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Package Level 1 Height	212 mm
Package Level 1 Depth / Length	147 mm
Package Level 1 Gross Weight	1.2 kg
Package Level 1 EAN	8015644009519

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 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 2.38 W
Rated Current (I_n)	2 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	28 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 (500 V DC) 3 Poles in Series 36 kA

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Rated Uninterrupted Current (I_u)	160 A
Rated Voltage (U_r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	MF
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
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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