PRODUCT-DETAILS

XT2N 160 TMD 16-300 3p F F

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General Information

Extended Product Type	XT2N 160 TMD 16-300 3p F F
Product ID	1SDA067010R1
EAN	8015644694913
Catalog Description	XT2N 160 TMD 16-300 3p F F
Long Description	C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 16-300 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	8c4cc14d-54cd-45f1-9638-aba03f1e779d Italy
Simplified SCIP	050a1b85-2344-44cf-a905-1c70803e4006 Germany bc89d87d-357d-4df8-b0a8-a234f7f69bbf Poland 5cfd1e34-9b9d-480b-950f-a3154e46c7f1 Sweden 581fea07-3388-4b7d-b03b-bbc603ba255b Germany d631f414-4a85-4798-8005-284a8b10057f Germany 82b47332-3e68-447a-86a2-67171e01b2f2 France b31a06af-81e5-4627-8294-97b2b027c579 Netherlands 7979111d-b682-4eb5-819a-a48cfa1592fd Spain a78d62f2-a527-4fe3-bc38-e4c156052ca4 Netherlands 3e263f77-af68-409d-bc55-8678139406e9 Netherlands 753f0099-aa91-4d29-8584-0bc0d6310e39 Estonia b276279f-344c-485e-96d3-97c396592b15 Greece 87314313-d08b-43a5-8cc5-5f0365ebf21e Portugal d78079b6-ab93-44c2-8562-0c1121509923 Bulgaria d47dca8b-d83e-43ab-af11-49daf039ca0d Sweden 652977f0-7384-4cb6-9afb-585cab5ae515 Netherlands 05856a9b-ff39-43d1-b03b-1464b5a5bcaf France 249acf3b-a744-42b6-b869-12afd97168a6 Poland bbc2dfd0-4c4b-4182-b08a-ea194943498b Norway 85b4785f-96ff-4fb7-8388-0f247824972b Finland f3a0bda1-d1e3-4944-8e95-48e158951085 Netherlands 7912c1c1-7813-4756-a607-58634c215913 Germany 6bcd8e5a-4d4b-4d47-a20f-e4c6a1417cd6 Denmark 5a40e967-e462-4c77-8149-4ef2cee25ba0 Germany a44d92b0-74f0-4a4d-a6e6-e59102b87e66 Croatia 232c7fc2-9c74-4ca4-a61a-17b353092ec1 Czech Republic c0c6e4ed-ab11-43b6-a909-facab4fd9b9e Poland

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT2NE3016AFF000XXX
E-Number (Finland)	3638181
E-Number (Norway)	4309636
EAN	8015644694913
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	1.656 kg
Package Level 1 EAN	8015644694913

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 1.33 W
Rated Current (I_n)	16 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	300 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	TMD
Release Type	TM
Setting Range	11.2...16 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
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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