



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
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Circular Value

Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.70 %
Recyclability Rate	
End of Life Instructions	9AKK108468A2348
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

Eco Transparency	
Environmental Product Declaration - EPD	9AKK108469A1856 9AKK108468A1891

Environmental	
Environmental Information	9AKK108467A6707

Material Compliance	
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	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 (IT)
Simplified SCIP	050a1b85-2344-44cf-a905-1c70803e4006 Germany (DE) bc89d87d-357d-4df8-b0a8-a234f7f69bbf Poland (PL) 5cfd1e34-9b9d-480b-950f-a3154e46c7f1 Sweden (SE) 581fea07-3388-4b7d-b03b-bbc603ba255b Germany (DE) d631f414-4a85-4798-8005-284a8b10057f Germany (DE) 82b47332-3e68-447a-86a2-67171e01b2f2 France (FR) b31a06af-81e5-4627-8294-97b2b027c579 Netherlands (NL) 7979111d-b682-4eb5-819a-a48cfa1592fd Spain (ES) a78d62f2-a527-4fe3-bc38-e4c156052ca4 Netherlands (NL) 3e263f77-af68-409d-bc55-8678139406e9 Netherlands (NL) 753f0099-aa91-4d29-8584-0bc0d6310e39 Estonia (EE) b276279f-344c-485e-96d3-97c396592b15 Greece (GR) 87314313-d08b-43a5-8cc5-5f0365ebf21e Portugal (PT) d78079b6-ab93-44c2-8562-0c1121509923 Bulgaria (BG) d47dca8b-d83e-43ab-af11-49daf039ca0d Sweden (SE) 652977f0-7384-4cb6-9afb-585cab5ae515 Netherlands (NL) 05856a9b-ff39-43d1-b03b-1464b5a5bcaf France (FR) 249acf3b-a744-42b6-b869-12afd97168a6 Poland (PL) bbc2dfd0-4c4b-4182-b08a-ea194943498b Norway (NO) 85b4785f-96ff-4fb7-8388-0f247824972b Finland (FI) f3a0bda1-d1e3-4944-8e95-48e158951085 Netherlands (NL) 7912c1c1-7813-4756-a607-58634c215913 Germany (DE) 6bcd8e5a-4d4b-4d47-a20f-e4c6a1417cd6 Denmark (DK) 5a40e967-e462-4c77-8149-4ef2cee25ba0 Germany (DE) a44d92b0-74f0-4a4d-a6e6-e59102b87e66 Croatia (HR) 232c7fc2-9c74-4ca4-a61a-17b353092ec1 Czech Republic (CZ) c0c6e4ed-ab11-43b6-a909-facab4fd9b9e Poland (PL)

Ordering	
Order Code US and Canada	XT2NE3016AFF000XXX
E-Number (Finland)	3638181
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
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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	1.656 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	3
Opening Time	CB with SOR 15 ms CB with UVR 15 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 _f)	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	(220 V AC) 65 kA (230 V AC) 65 kA (240 V AC) 65 kA

(I _{cu})	(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	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

Classifications

ETIM 8	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 9	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



Submitted by TECO Group