



PRODUCT-DETAILS

# XT2N 160 TMD 16-300 3p F F

## XT2N 160 TMD 16-300 3p F F



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

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.70 %
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-1464b5a5bcac 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

**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 mm <sup>2</sup>
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 <sub>n</sub> )	16 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	300 A
Rated Insulation Voltage	1000 V

(U <sub>i</sub> )	
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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 <sub>cu</sub> )	(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 <sub>u</sub> )	160 A
Rated Voltage (U <sub>r</sub> )	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

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## 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

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## Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

