



PRODUCT-DETAILS

# XT1C 160 TMD 160-1600 3p F F

## XT1C 160 TMD 160-1600 3p F F



General Information	
Extended Product Type	XT1C 160 TMD 160-1600 3p F F
Product ID	1SDA067399R1
EAN	8015644012939
Catalog Description	XT1C 160 TMD 160-1600 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
End of Life Instructions	9AKK108468A2347

Group Waste to Landfill  
Target

UL 2799 Zero Waste To Landfill Validation available

**Eco Transparency**

Environmental Product Declaration - EPD 9AKK108468A1890  
9AKK108468A7793

**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 Od8bc7a2-0b2f-4c4e-b0d2-ae3184d07c12 Italy (IT)  
 Simplified SCIP 2d38a763-4edd-4ec0-852e-8a7e7d01b167 Germany (DE)  
 ab107f86-ac30-4f6a-a6bf-c4d8c77a0fd2 France (FR)  
 4ce86c8a-88a3-4668-b9fe-6d159b3b770c Poland (PL)  
 2b6d4e8f-9999-4183-a923-afbb4bdcec78 Finland (FI)  
 1b141b21-8bef-4f72-8f3e-ddd51c5ec259 Norway (NO)  
 974eeae4-e997-42f0-aa0d-58883071678c Netherlands (NL)  
 c0df14b2-ce11-4e19-a2d5-72e2790aa9cc Netherlands (NL)  
 b756e454-2ef3-4dc7-99e0-091b44577511 Germany (DE)  
 99c1470b-f1a5-48b0-8949-840c4be74894 Denmark (DK)  
 e16d074d-620a-4ea1-8227-b05dc2e7d098 Germany (DE)  
 dfb95055-9cf7-4ec6-b0e7-801c62ca7cc8 Croatia (HR)  
 9fc57840-b252-4713-8387-c3b5c39c2768 Czech Republic (CZ)  
 56162500-c94b-403f-a284-3e358af29456 Netherlands (NL)  
 82077ecd-9e46-4ba5-85c7-22fd9245ee2d Netherlands (NL)  
 df47e79a-6de1-4aa8-83e4-3b4ebc60686b Estonia (EE)  
 91ca0d03-e2ae-40be-88e0-e06a7b181f24 Greece (GR)  
 21de00c2-cdbb-4cc5-a139-d1e3d26dffcb Portugal (PT)  
 91902059-0a7b-46c8-9eda-6bb7beb04a2b Bulgaria (BG)  
 83cedd21-6566-49aa-bd8f-fa5be6b586dd Sweden (SE)  
 4f0c602c-433f-4412-8704-722fe1de2a92 Poland (PL)  
 1b963a22-3a58-43d0-94c5-819ab7622567 France (FR)  
 5489a759-29a8-46b8-a5c0-42d61d45ed5d Sweden (SE)  
 b8e985c9-c29a-4e6d-a0f0-f79c981441a9 Germany (DE)  
 0a6e7309-6bb1-4725-9934-8c06601b79c0 Germany (DE)  
 3daf304a-39bc-447c-a8cd-0e009652dae7 Spain (ES)  
 4a0eb37f-875b-48f5-ad3a-e2fe91f042c6 Netherlands (NL)  
 c8b2a3ef-2fdc-48b9-9068-d7b46a9d3213 Poland (PL)

**Ordering**

Order Code US and Canada XT1CE3160AFF000XXX  
 E-Number (Finland) 3638779  
 EAN 8015644012939  
 Minimum Order Quantity 1 piece

Customs Tariff Number 85362090

### Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.1 kg

### Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	128 mm
Package Level 1 Height	135 mm
Package Level 1 Depth / Length	143 mm
Package Level 1 Gross Weight	1.128 kg
Package Level 1 EAN	8015644012939

### 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	1SDH001295R0008

### Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 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 15 W
Rated Current (I <sub>n</sub> )	160 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> )	1600 A
Rated Insulation Voltage	800 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) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	(220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 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	112...160 A
Short-Circuit Performance Level	C
Standards	IEC60947-2
Sub-type	XT1
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	9AKK106713A5532
GL Certificate	1SDL000163R0103
LR Certificate	1SDL000163R0100
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000719R0100
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0001

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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

