



PRODUCT-DETAILS

XT1C 160 TMD 160-1600 3p F F

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

Group Waste to Landfill
Target

UL 2799 Zero Waste To Landfill Validation available

Eco Transparency

Environmental Product	9AKK108468A1890
Declaration - EPD	9AKK108468A7793

Environmental

Environmental Information	9AKK108467A6707
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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
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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 ²
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 _n)	160 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	1600 A
Rated Insulation Voltage	800 V

(U_i)

Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(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 _{cu})	(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 _u)	160 A
Rated Voltage (U _r)	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

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

