



PRODUCT-DETAILS

XT1H 160 TMD 160-1600 3p F F

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General Information	
Extended Product Type	XT1H 160 TMD 160-1600 3p F F
Product ID	1SDA067454R1
EAN	8015644013486
Catalog Description	XT1H 160 TMD 160-1600 3p F F
Long Description	C.BREAKER TMAX XT1H 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A

ABB EcoSolutions	
ABB EcoSolutions	Yes
Circular Design	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Principles Recyclability Rate	
End of Life Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

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	56dc0760-7ff8-4b75-9d5f-ff6578a7ed3c Italy (IT)
Simplified SCIP	d65a073f-8b77-4a74-8b58-32965c3e4860 Germany (DE) 032431e7-74c1-4792-a618-890afb488afd Finland (FI) 759ddca3-f82b-486e-9d91-8a4ac696e5ca Netherlands (NL) 65ab0103-2ace-4738-acbe-95c32de0526e Germany (DE) 223d7a88-9ca2-4e97-9649-92816c9bfb44 Denmark (DK) 961f5b8c-1737-4f67-bf05-00875b7af6de Germany (DE) 21006405-1824-441f-9c2a-04c9b4ac1707 Croatia (HR) e752daa2-db69-4347-896a-7bda393b97b3 Czech Republic (CZ) b32b48ce-95bb-4dcd-997a-6afefaf90ed7 Poland (PL) ad0a4092-d03b-4f8a-9ad7-45fd8259d9d6 Netherlands (NL) 52b5fc70-823c-4bd8-a02c-076430b0ab20 Netherlands (NL) f3ce143f-3064-4bae-8a81-cfdc1332b00e Estonia (EE) 20cd1985-c18e-46de-9200-5a04a94702af Greece (GR) 203b540d-e425-4d35-b603-dd9bfd5c11f4 Portugal (PT) 92288c75-e02b-4b98-b63d-6fa0ffc64b75 Bulgaria (BG) 00c65cf2-036f-49fc-b0ff-bc1a2eb9fbd6 Sweden (SE) e1334ad5-59c5-459a-a19c-95060f2efc11 Poland (PL) 1ed72d8b-a527-4b45-b124-da06f39c6701 France (FR) 0f2adc46-473e-492a-8631-f2dd234a8690 Sweden (SE) 096c9316-10f8-4376-b34c-0636d6ea80cf Poland (PL) 1eb1a804-3aa1-4052-9ecf-da33ed02f810 Norway (NO) 032431e7-74c1-4792-a618-890afb488afd Finland (FI) 759ddca3-f82b-486e-9d91-8a4ac696e5ca Netherlands (NL) 65ab0103-2ace-4738-acbe-95c32de0526e Germany (DE) 223d7a88-9ca2-4e97-9649-92816c9bfb44 Denmark (DK) 961f5b8c-1737-4f67-bf05-00875b7af6de Germany (DE) 21006405-1824-441f-9c2a-04c9b4ac1707 Croatia (HR) e752daa2-db69-4347-896a-7bda393b97b3 Czech Republic (CZ) b32b48ce-95bb-4dcd-997a-6afefaf90ed7 Poland (PL) ad0a4092-d03b-4f8a-9ad7-45fd8259d9d6 Netherlands (NL) 52b5fc70-823c-4bd8-a02c-076430b0ab20 Netherlands (NL) f3ce143f-3064-4bae-8a81-cfdc1332b00e Estonia (EE) 20cd1985-c18e-46de-9200-5a04a94702af Greece (GR) 203b540d-e425-4d35-b603-dd9bfd5c11f4 Portugal (PT) b2745396-555f-4736-be90-e25a589824d5 Germany (DE) 9421f1af-98fd-4bbd-9d6b-32df84de604c Germany (DE) b35f29c4-17e0-41a1-b10a-47bd10b86f1c France (FR) 2ec3fe12-2674-4236-81ad-8956b61a80f8 Netherlands (NL) 777d5fd9-66c1-4e6f-b231-1f7e13ce8d6c Spain (ES) 01d66fad-659d-4f78-9d03-c053635df01f Netherlands (NL) 92288c75-e02b-4b98-b63d-6fa0ffc64b75 Bulgaria (BG) 00c65cf2-036f-49fc-b0ff-bc1a2eb9fbd6 Sweden (SE) 01d66fad-659d-4f78-9d03-c053635df01f Netherlands (NL) e1334ad5-59c5-459a-a19c-95060f2efc11 Poland (PL) 1ed72d8b-a527-4b45-b124-da06f39c6701 France (FR) 0f2adc46-473e-492a-8631-f2dd234a8690 Sweden (SE) b2745396-555f-4736-be90-e25a589824d5 Germany (DE) 9421f1af-98fd-4bbd-9d6b-32df84de604c Germany (DE) b35f29c4-17e0-41a1-b10a-47bd10b86f1c France (FR) 2ec3fe12-2674-4236-81ad-8956b61a80f8 Netherlands (NL) 777d5fd9-66c1-4e6f-b231-1f7e13ce8d6c Spain (ES) 096c9316-10f8-4376-b34c-0636d6ea80cf Poland (PL) 1eb1a804-3aa1-4052-9ecf-da33ed02f810 Norway (NO)

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1HE3160AFF000XXX
E-Number (Norway)	4379222
EAN	8015644013486
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	1.18 kg
Package Level 1 EAN	8015644013486

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 (U _i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(220 V AC) 80 kA (230 V AC) 80 kA (240 V AC) 80 kA (380 V AC) 52.5 kA (415 V AC) 37.5 kA (440 V AC) 32.5 kA (500 V AC) 25 kA (525 V AC) 17.5 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 52.5 kA (500 V DC) 3 Poles in Series 52.5 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(220 V AC) 100 kA (230 V AC) 100 kA (240 V AC) 100 kA (380 V AC) 70 kA (415 V AC) 70 kA (440 V AC) 65 kA (500 V AC) 50 kA (525 V AC) 35 kA (690 V AC) 10 kA (250 V DC) 2 Poles in Series 70 kA (500 V DC) 3 Poles in Series 70 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	H
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

