



PRODUCT-DETAILS

XT1H 160 TMD 160-1600 3p F F

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Submitted by TECO Group

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
ABB Site Meeting Group Waste To Landfill Target	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Extended Product Lifetime	Product Modularity

Recyclability Rate of the Product acc. to EN45555

Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Declaration	9AKK108466A1424
RoHS Information	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
Simplified SCIP	d65a073f-8b77-4a74-8b58-32965c3e4860 Germany 032431e7-74c1-4792-a618-890afb488afd Finland 759ddca3-f82b-486e-9d91-8a4ac696e5ca Netherlands 65ab0103-2ace-4738-acbe-95c32de0526e Germany 223d7a88-9ca2-4e97-9649-92816c9bfb44 Denmark 961f5b8c-1737-4f67-bf05-00875b7af6de Germany 21006405-1824-441f-9c2a-04c9b4ac1707 Croatia e752daa2-db69-4347-896a-7bda393b97b3 Czech Republic b32b48ce-95bb-4dcd-997a-6afefaf90ed7 Poland ad0a4092-d03b-4f8a-9ad7-45fd8259d9d6 Netherlands 52b5fc70-823c-4bd8-a02c-076430b0ab20 Netherlands f3ce143f-3064-4bae-8a81-cfdc1332b00e Estonia 20cd1985-c18e-46de-9200-5a04a94702af Greece 203b540d-e425-4d35-b603-dd9bfd5c11f4 Portugal 92288c75-e02b-4b98-b63d-6fa0ffc64b75 Bulgaria 00c65cf2-036f-49fc-b0ff-bc1a2eb9fbd6 Sweden e1334ad5-59c5-459a-a19c-95060f2efc11 Poland 1ed72d8b-a527-4b45-b124-da06f39c6701 France 0f2adc46-473e-492a-8631-f2dd234a8690 Sweden 096c9316-10f8-4376-b34c-0636d6ea80cf Poland 1eb1a804-3aa1-4052-9ecf-da33ed02f810 Norway 032431e7-74c1-4792-a618-890afb488afd Finland 759ddca3-f82b-486e-9d91-8a4ac696e5ca Netherlands 65ab0103-2ace-4738-acbe-95c32de0526e Germany 223d7a88-9ca2-4e97-9649-92816c9bfb44 Denmark 961f5b8c-1737-4f67-bf05-00875b7af6de Germany 21006405-1824-441f-9c2a-04c9b4ac1707 Croatia e752daa2-db69-4347-896a-7bda393b97b3 Czech Republic b32b48ce-95bb-4dcd-997a-6afefaf90ed7 Poland ad0a4092-d03b-4f8a-9ad7-45fd8259d9d6 Netherlands 52b5fc70-823c-4bd8-a02c-076430b0ab20 Netherlands f3ce143f-3064-4bae-8a81-cfdc1332b00e Estonia 20cd1985-c18e-46de-9200-5a04a94702af Greece 203b540d-e425-4d35-b603-dd9bfd5c11f4 Portugal b2745396-555f-4736-be90-e25a589824d5 Germany 9421f1af-98fd-4bbd-9d6b-32df84de604c Germany b35f29c4-17e0-41a1-b10a-47bd10b86f1c France 2ec3fe12-2674-4236-81ad-8956b61a80f8 Netherlands 777d5fd9-66c1-4e6f-b231-1f7e13ce8d6c Spain 01d66fad-659d-4f78-9d03-c053635df01f Netherlands 92288c75-e02b-4b98-b63d-6fa0ffc64b75 Bulgaria 00c65cf2-036f-49fc-b0ff-bc1a2eb9fbd6 Sweden 01d66fad-659d-4f78-9d03-c053635df01f Netherlands e1334ad5-59c5-459a-a19c-95060f2efc11 Poland 1ed72d8b-a527-4b45-b124-da06f39c6701 France 0f2adc46-473e-492a-8631-f2dd234a8690 Sweden b2745396-555f-4736-be90-e25a589824d5 Germany 9421f1af-98fd-4bbd-9d6b-32df84de604c Germany b35f29c4-17e0-41a1-b10a-47bd10b86f1c France 2ec3fe12-2674-4236-81ad-8956b61a80f8 Netherlands 777d5fd9-66c1-4e6f-b231-1f7e13ce8d6c Spain 096c9316-10f8-4376-b34c-0636d6ea80cf Poland 1eb1a804-3aa1-4052-9ecf-da33ed02f810 Norway

Submitted by TSCA

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	3P
Opening Time	CB with SOR 30 ms CB with UVR 30 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

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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

External Classifications and Standards

ETIM 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 10	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

