PRODUCT-DETAILS

XT1C 160 TMD 40-450 3p F F

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General Information

Extended Product Type	XT1C 160 TMD 40-450 3p F F
Product ID	1SDA067393R1
EAN	8015644012175
Catalog Description	XT1C 160 TMD 40-450 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 40-450 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
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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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	8a91ff6a-ad35-4fb5-a92a-df6404a582cb Italy
Simplified SCIP	ff22bf26-0f34-41ea-99ef-86eed6814bc5 Germany 52ef1d57-7ac3-4b6f-a7e4-e82a028ffb83 Netherlands 74d485f3-103e-4d7a-8443-1f7ad4022261 Netherlands f4830c59-0293-41c0-b6c6-bbc224ef389e Germany 75045930-dcf8-4bdf-a8a6-b1d7536722b0 Denmark 00d5e05b-73de-4ffd-ada4-75fe59753d1b Germany a3bb56c5-c825-461f-b74a-af460f0a46b3 Croatia 511b521b-ee85-4c5d-bc0a-7a79e53ee659 Czech Republic 6c056f27-91fa-4473-854f-037e49936562 Netherlands 4019c24c-8691-4202-9180-e5d03adce627 Netherlands 48db9e10-b526-4ac0-aae6-d10ceea229d1 Estonia ba95b5e4-99d5-4eea-b2c9-cb155dd74fa9 Greece c445fb07-7d15-41b6-a68d-cdb076abe0f1 Portugal 2bbe0591-3502-4ecc-b98b-6a391f7c3659 Bulgaria eb299f83-c903-4a3c-b98c-1d1fc6bbcadb Sweden 6abe2cd0-f062-4d83-9004-c331378e8e51 Poland e62cb378-2733-4350-aa9c-3b6ed41c578f France 30e1b010-9328-4a58-8902-080379a87c23 Sweden be0d0faf-5974-449f-b370-495cba09cb01 Germany 9140d5d7-7c67-405b-bf7e-5475de634beb Germany 23f70161-83b5-42b7-b046-4553eb6db904 Spain 7cce477e-45c8-445e-9a44-47829e0653e7 Netherlands d5142b24-b2c5-442e-92f1-34be6bf004b6 Poland 0da3aafb-d5a7-44a0-866d-3774ab59123e Poland 9d65d086-3f78-4165-b15a-c20f5c9a033b Finland 167b4a8a-f6f6-4ac1-b303-632a0bd3431b Norway 3b58e72f-8f59-4998-b549-8ee112e84c38 France

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1CE3040AFF000XXX
E-Number (Finland)	3638775
E-Number (Norway)	4309613
EAN	8015644012175
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth /	70 mm

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Length	
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	1.12 kg
Package Level 1 EAN	8015644012175

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 2.6 W
Rated Current (I_n)	40 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i)	450 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) 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

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	(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	28...40 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

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

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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

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