



PRODUCT-DETAILS

XT1S 160 TMD 160-1600 4p F F InN=100%

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General Information	
Extended Product Type	XT1S 160 TMD 160-1600 4p F F InN=100%
Product ID	1SDA067446R1
EAN	8015644013400
Catalog Description	XT1S 160 TMD 160-1600 4p F F InN=100%
Long Description	C.BREAKER TMAX XT1S 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A FULLY RATED NEUTRAL

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 %

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	174b6a1b-1042-4cc6-b0d0-c49c8fc08cf7 Italy
Simplified SCIP	440372d9-fc6f-45b5-9261-041236f91e89 Germany 8032d37e-aff3-4b26-86d8-37f6ff0bc697 Bulgaria 26dd583e-1481-46e1-9afd-48aa6e7597c2 Sweden c15c23b6-88e0-42d3-805d-d121b930ec9d Poland 350ca7b9-c295-488e-99ef-c114ea4df9b8 France 8b7f734f-c764-46dc-8bea-09d8405a5e7d Poland bba30614-4c08-4680-ac1f-f67175c6554d Norway 1a33e711-e8d7-49f1-8179-84e33f209c66 Finland e4882cba-8332-4e09-9aaa-521a759a75c6 Netherlands b736d1c7-9e1b-4b4e-85a4-b641b29075c8 Germany c9e47f08-cff0-4329-88cf-ddd5723c58dc Denmark d4593e07-4380-43a2-b9c6-b479d2ee6a4e Germany 35085d34-2859-488f-a474-b1f513790e37 Croatia 57d4c753-07ad-4a91-b8ac-68ae96734b28 Czech Republic 3fb29871-0f2f-4eb0-8afe-8b50a2638f2b Poland f275cda3-7c3d-4b5d-ad14-7b507702b8e0 Netherlands e44cb108-242e-4354-99bc-b2513e8a3911 Netherlands Od9c9bf6-c9ad-4cc2-9acc-aed32f48d6a7 Estonia c15c23b6-88e0-42d3-805d-d121b930ec9d Poland 350ca7b9-c295-488e-99ef-c114ea4df9b8 France 58410615-e8e8-438f-8f96-f39e5efc9202 Sweden 84b7f6c1-8644-4402-b8f1-756037856f46 Germany a33b3bce-5bc7-44bc-ae79-d6e655f2d8c3 Germany 6589f998-c7f5-4ba4-ba36-10ed7d10d826 France a6fe89cf-5bbd-4a28-b023-564cd68d0b54 Netherlands 8e96c5b5-1b7a-4b2c-8109-ccb908491617 Spain 8b7f734f-c764-46dc-8bea-09d8405a5e7d Poland bba30614-4c08-4680-ac1f-f67175c6554d Norway 1a33e711-e8d7-49f1-8179-84e33f209c66 Finland a6fe89cf-5bbd-4a28-b023-564cd68d0b54 Netherlands 8e96c5b5-1b7a-4b2c-8109-ccb908491617 Spain 3bb1c510-9ce2-49d8-92ba-5728ebf5cf81 Netherlands 8032d37e-aff3-4b26-86d8-37f6ff0bc697 Bulgaria 26dd583e-1481-46e1-9afd-48aa6e7597c2 Sweden 3bb1c510-9ce2-49d8-92ba-5728ebf5cf81 Netherlands 562131dd-f090-4955-8a8e-b7432287cff8 Greece 5f26f044-4b6e-4be6-ae3e-2e98f84cf374 Portugal 58410615-e8e8-438f-8f96-f39e5efc9202 Sweden 84b7f6c1-8644-4402-b8f1-756037856f46 Germany a33b3bce-5bc7-44bc-ae79-d6e655f2d8c3 Germany 6589f998-c7f5-4ba4-ba36-10ed7d10d826 France e4882cba-8332-4e09-9aaa-521a759a75c6 Netherlands b736d1c7-9e1b-4b4e-85a4-b641b29075c8 Germany c9e47f08-cff0-4329-88cf-ddd5723c58dc Denmark d4593e07-4380-43a2-b9c6-b479d2ee6a4e Germany 35085d34-2859-488f-a474-b1f513790e37 Croatia 57d4c753-07ad-4a91-b8ac-68ae96734b28 Czech Republic 3fb29871-0f2f-4eb0-8afe-8b50a2638f2b Poland f275cda3-7c3d-4b5d-ad14-7b507702b8e0 Netherlands e44cb108-242e-4354-99bc-b2513e8a3911 Netherlands Od9c9bf6-c9ad-4cc2-9acc-aed32f48d6a7 Estonia 562131dd-f090-4955-8a8e-b7432287cff8 Greece 5f26f044-4b6e-4be6-ae3e-2e98f84cf374 Portugal

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1SE4160AFF000XXX
E-Number (Norway)	4309725
EAN	8015644013400
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.4 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	1.504 kg
Package Level 1 EAN	8015644013400

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	1SDH001295R0080

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	4P

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) 50 kA (415 V AC) 37.5 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 17.5 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA
Rated Ultimate Short- Circuit Breaking Capacity (I_{cu})	(220 V AC) 85 kA (230 V AC) 85 kA (240 V AC) 85 kA (380 V AC) 50 kA (415 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 36 kA (525 V AC) 35 kA (690 V AC) 8 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 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	S
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	9AKK106713A5532

Conformity - CE	
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 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

