



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

Circular Value	
Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347

Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available
Toxic Substances Control Act - TSCA	9AKK108467A8326

Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
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Environmental

Environmental Information	9AKK108467A6707
REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	174b6a1b-1042-4cc6-b0d0-c49c8fc08cf7 Italy (IT)
Simplified SCIP	440372d9-fc6f-45b5-9261-041236f91e89 Germany (DE) 8032d37e-aff3-4b26-86d8-37f6ff0bc697 Bulgaria (BG) 26dd583e-1481-46e1-9afd-48aa6e7597c2 Sweden (SE) c15c23b6-88e0-42d3-805d-d121b930ec9d Poland (PL) 350ca7b9-c295-488e-99ef-c114ea4df9b8 France (FR) 8b7f734f-c764-46dc-8bea-09d8405a5e7d Poland (PL) bba30614-4c08-4680-ac1f-f67175c6554d Norway (NO) 1a33e711-e8d7-49f1-8179-84e33f209c66 Finland (FI) e4882cba-8332-4e09-9aaa-521a759a75c6 Netherlands (NL) b736d1c7-9e1b-4b4e-85a4-b641b29075c8 Germany (DE) c9e47f08-cff0-4329-88cf-ddd5723c58dc Denmark (DK) d4593e07-4380-43a2-b9c6-b479d2ee6a4e Germany (DE) 35085d34-2859-488f-a474-b1f513790e37 Croatia (HR) 57d4c753-07ad-4a91-b8ac-68ae96734b28 Czech Republic (CZ) 3fb29871-0f2f-4eb0-8afe-8b50a2638f2b Poland (PL) f275cda3-7c3d-4b5d-ad14-7b507702b8e0 Netherlands (NL) e44cb108-242e-4354-99bc-b2513e8a3911 Netherlands (NL) 0d9c9bf6-c9ad-4cc2-9acc-aed32f48d6a7 Estonia (EE) c15c23b6-88e0-42d3-805d-d121b930ec9d Poland (PL) 350ca7b9-c295-488e-99ef-c114ea4df9b8 France (FR) 58410615-e8e8-438f-8f96-f39e5efc9202 Sweden (SE) 84b7f6c1-8644-4402-b8f1-756037856f46 Germany (DE) a33b3bce-5bc7-44bc-ae79-d6e655f2d8c3 Germany (DE) 6589f998-c7f5-4ba4-ba36-10ed7d10d826 France (FR) a6fe89cf-5bbd-4a28-b023-564cd68d0b54 Netherlands (NL) 8e96c5b5-1b7a-4b2c-8109-ccb908491617 Spain (ES) 8b7f734f-c764-46dc-8bea-09d8405a5e7d Poland (PL) bba30614-4c08-4680-ac1f-f67175c6554d Norway (NO) 1a33e711-e8d7-49f1-8179-84e33f209c66 Finland (FI) a6fe89cf-5bbd-4a28-b023-564cd68d0b54 Netherlands (NL) 8e96c5b5-1b7a-4b2c-8109-ccb908491617 Spain (ES) 3bb1c510-9ce2-49d8-92ba-5728ebf5cf81 Netherlands (NL) 8032d37e-aff3-4b26-86d8-37f6ff0bc697 Bulgaria (BG) 26dd583e-1481-46e1-9afd-48aa6e7597c2 Sweden (SE) 3bb1c510-9ce2-49d8-92ba-5728ebf5cf81 Netherlands (NL) 562131dd-f090-4955-8a8e-b7432287cff8 Greece (GR) 5f26f044-4b6e-4be6-ae3e-2e98f84cf374 Portugal (PT) 58410615-e8e8-438f-8f96-f39e5efc9202 Sweden (SE) 84b7f6c1-8644-4402-b8f1-756037856f46 Germany (DE) a33b3bce-5bc7-44bc-ae79-d6e655f2d8c3 Germany (DE) 6589f998-c7f5-4ba4-ba36-10ed7d10d826 France (FR) e4882cba-8332-4e09-9aaa-521a759a75c6 Netherlands (NL) b736d1c7-9e1b-4b4e-85a4-b641b29075c8 Germany (DE) c9e47f08-cff0-4329-88cf-ddd5723c58dc Denmark (DK) d4593e07-4380-43a2-b9c6-b479d2ee6a4e Germany (DE) 35085d34-2859-488f-a474-b1f513790e37 Croatia (HR) 57d4c753-07ad-4a91-b8ac-68ae96734b28 Czech Republic (CZ) 3fb29871-0f2f-4eb0-8afe-8b50a2638f2b Poland (PL) f275cda3-7c3d-4b5d-ad14-7b507702b8e0 Netherlands (NL) e44cb108-242e-4354-99bc-b2513e8a3911 Netherlands (NL) 0d9c9bf6-c9ad-4cc2-9acc-aed32f48d6a7 Estonia (EE) 562131dd-f090-4955-8a8e-b7432287cff8 Greece (GR) 5f26f044-4b6e-4be6-ae3e-2e98f84cf374 Portugal (PT)

Ordering	
Order Code US and Canada	XT1SE4160AFF000XXX
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
Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	4
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
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	160 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U_r)	690 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_l)	1600 A
Rated Insulation Voltage (U_i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity	(220 V AC) 63.75 kA (230 V AC) 63.75 kA

(I _{cs})	(240 V AC) 63.75 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
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
Version	F
CAD Dimensional Drawing	1SDH001295R0080

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 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
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

