

PRODUCT-DETAILS

XT1S 160 TMD 160-1600 3p F F

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General Information

Extended Product Type	XT1S 160 TMD 160-1600 3p F F
Product ID	1SDA067436R1
EAN	8015644013301
Catalog Description	XT1S 160 TMD 160-1600 3p F F
Long Description	C.BREAKER TMAX XT1S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A

ABB EcoSolutions

ABB EcoSolutions	Yes
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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	68fc2d01-8259-4796-990c-6c9587ff56a0 Italy (IT)
Simplified SCIP	bc5703e6-1622-465a-9ffa-3341b5960253 Poland (PL) 3b2b4297-97fd-4bf5-83a1-01f187e0792f Norway (NO) 4ac4b647-ef91-4e77-bf5f-ffcee266f743 Finland (FI) b28c462e-5167-4e4e-ac9f-5164576df572 Netherlands (NL) f180a750-8c0b-4a81-b4d9-e5acbd9ad6a5 Germany (DE) 2303f4a0-7022-425f-bcf7-2185bfc393d7 Denmark (DK) baca2440-267f-4905-95bf-9d344585ebcc Germany (DE) e685b272-7682-4c6d-87f1-a2b48b1808c4 Croatia (HR) 7d64b5a5-7b9a-4bfb-9b47-2ea5b61689e4 Czech Republic (CZ) e557ea3c-2e49-4f2c-a864-d4659cd0b166 Poland (PL) 2b0a2eb9-ae84-47d2-83fa-3e927d320838 Netherlands (NL) 2ad570a8-d3a4-4d6b-8750-2ac8a26eb055 Netherlands (NL) ea0810a6-63e0-4e2e-b8d0-ae2183252250 Estonia (EE) e3d65991-dc56-43c4-8d9b-c8d1a678b275 Greece (GR) cda31a1b-a7ed-4573-951e-9677c1ba4bec Portugal (PT) c72ec0a5-670c-4059-b5d9-9c6f30d6637b Sweden (SE) 01e0ca48-0b57-4a74-8aa8-0521daf4553a Germany (DE) 766cc5c4-41d5-448c-8b49-7ae5efaa5a63 Germany (DE) 30c8be75-771e-4380-958b-de7af2140296 France (FR) de6cfc88-5d61-4fd9-b89b-c482e19f665a Netherlands (NL) ade641dd-95e0-4bbf-bc40-df8ce463c69e Spain (ES) 37fc1530-8d78-4fd6-ad1b-bf19c4260e9b Netherlands (NL) e0db57b8-ed68-40e0-b769-9a9194f2dea8 Bulgaria (BG) d09160ca-e58e-4a3f-a740-84e2891efbf0 Sweden (SE) 37fc1530-8d78-4fd6-ad1b-bf19c4260e9b Netherlands (NL) 06272e1e-0fb2-4dd0-b0b1-79d36d2ffa8a Poland (PL) 274bcc65-417f-4283-905e-6ff982930097 France (FR) c72ec0a5-670c-4059-b5d9-9c6f30d6637b Sweden (SE) 01e0ca48-0b57-4a74-8aa8-0521daf4553a Germany (DE) 766cc5c4-41d5-448c-8b49-7ae5efaa5a63 Germany (DE) 30c8be75-771e-4380-958b-de7af2140296 France (FR) de6cfc88-5d61-4fd9-b89b-c482e19f665a Netherlands (NL) ade641dd-95e0-4bbf-bc40-df8ce463c69e Spain (ES) bc5703e6-1622-465a-9ffa-3341b5960253 Poland (PL) 3b2b4297-97fd-4bf5-83a1-01f187e0792f Norway (NO) 4ac4b647-ef91-4e77-bf5f-ffcee266f743 Finland (FI) b28c462e-5167-4e4e-ac9f-5164576df572 Netherlands (NL) f180a750-8c0b-4a81-b4d9-e5acbd9ad6a5 Germany (DE) 2303f4a0-7022-425f-bcf7-2185bfc393d7 Denmark (DK) baca2440-267f-4905-95bf-9d344585ebcc Germany (DE) e685b272-7682-4c6d-87f1-a2b48b1808c4 Croatia (HR) 7d64b5a5-7b9a-4bfb-9b47-2ea5b61689e4 Czech Republic (CZ) e557ea3c-2e49-4f2c-a864-d4659cd0b166 Poland (PL) 2b0a2eb9-ae84-47d2-83fa-3e927d320838 Netherlands (NL) 2ad570a8-d3a4-4d6b-8750-2ac8a26eb055 Netherlands (NL) ea0810a6-63e0-4e2e-b8d0-ae2183252250 Estonia (EE) e3d65991-dc56-43c4-8d9b-c8d1a678b275 Greece (GR) cda31a1b-a7ed-4573-951e-9677c1ba4bec Portugal (PT) e0db57b8-ed68-40e0-b769-9a9194f2dea8 Bulgaria (BG) d09160ca-e58e-4a3f-a740-84e2891efbf0 Sweden (SE) 06272e1e-0fb2-4dd0-b0b1-79d36d2ffa8a Poland (PL) 274bcc65-417f-4283-905e-6ff982930097 France (FR)

Ordering

Order Code US and Canada	XT1SE3160AFF000XXX
EAN	8015644013301

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	1.173 kg
Package Level 1 EAN	8015644013301

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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
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_s)	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) 63.75 kA (230 V AC) 63.75 kA (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
RoHS Date	NA
Setting Range	112...160 A
Short-Circuit Performance Level	S
Standards	IEC
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0008

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

