



PRODUCT-DETAILS

XT1S 160 TMD 160-1600 3p F F

XT1S 160 TMD 160-1600 3p F F



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
Display Name:	XT1S 160 TMD 160-1600 3p F F

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:	68fc2d01-8259-4796-990c-6c9587ff56a0 Italy

Simplified SCIP:

de04ea43-1440-4188-bc5f-f634d10f8088 Germany
 bc5703e6-1622-465a-9ffa-3341b5960253 Poland
 3b2b4297-97fd-4bf5-83a1-01f187e0792f Norway
 4ac4b647-ef91-4e77-bf5f-ffcee266f743 Finland
 b28c462e-5167-4e4e-ac9f-5164576df572 Netherlands
 f180a750-8c0b-4a81-b4d9-e5acb9ad6a5 Germany
 2303f4a0-7022-425f-bcf7-2185bfc393d7 Denmark
 baca2440-267f-4905-95bf-9d344585ebcc Germany
 e685b272-7682-4c6d-87f1-a2b48b1808c4 Croatia
 7d64b5a5-7b9a-4bfb-9b47-2ea5b61689e4 Czechia
 e557ea3c-2e49-4f2c-a864-d4659cd0b166 Poland
 2b0a2eb9-ae84-47d2-83fa-3e927d320838 Netherlands
 2ad570a8-d3a4-4d6b-8750-2ac8a26eb055 Netherlands
 ea0810a6-63e0-4e2e-b8d0-ae2183252250 Estonia
 e3d65991-dc56-43c4-8d9b-c8d1a678b275 Greece
 cda31a1b-a7ed-4573-951e-9677c1ba4bec Portugal
 c72ec0a5-670c-4059-b5d9-9c6f30d6637b Sweden
 01e0ca48-0b57-4a74-8aa8-0521daf4553a Germany
 766cc5c4-41d5-448c-8b49-7ae5efaa5a63 Germany
 30c8be75-771e-4380-958b-de7af2140296 France
 de6cfc88-5d61-4fd9-b89b-c482e19f665a Netherlands
 ade641dd-95e0-4bbf-bc40-df8ce463c69e Spain
 37fc1530-8d78-4fd6-ad1b-bf19c4260e9b Netherlands
 e0db57b8-ed68-40e0-b769-9a9194f2dea8 Bulgaria
 d09160ca-e58e-4a3f-a740-84e2891efbf0 Sweden
 37fc1530-8d78-4fd6-ad1b-bf19c4260e9b Netherlands
 06272e1e-0fb2-4dd0-b0b1-79d36d2ffa8a Poland
 274bcc65-417f-4283-905e-6ff982930097 France
 c72ec0a5-670c-4059-b5d9-9c6f30d6637b Sweden
 01e0ca48-0b57-4a74-8aa8-0521daf4553a Germany
 766cc5c4-41d5-448c-8b49-7ae5efaa5a63 Germany
 30c8be75-771e-4380-958b-de7af2140296 France
 de6cfc88-5d61-4fd9-b89b-c482e19f665a Netherlands
 ade641dd-95e0-4bbf-bc40-df8ce463c69e Spain
 bc5703e6-1622-465a-9ffa-3341b5960253 Poland
 3b2b4297-97fd-4bf5-83a1-01f187e0792f Norway
 4ac4b647-ef91-4e77-bf5f-ffcee266f743 Finland
 b28c462e-5167-4e4e-ac9f-5164576df572 Netherlands
 f180a750-8c0b-4a81-b4d9-e5acb9ad6a5 Germany
 2303f4a0-7022-425f-bcf7-2185bfc393d7 Denmark
 baca2440-267f-4905-95bf-9d344585ebcc Germany
 e685b272-7682-4c6d-87f1-a2b48b1808c4 Croatia
 7d64b5a5-7b9a-4bfb-9b47-2ea5b61689e4 Czechia
 e557ea3c-2e49-4f2c-a864-d4659cd0b166 Poland
 2b0a2eb9-ae84-47d2-83fa-3e927d320838 Netherlands
 2ad570a8-d3a4-4d6b-8750-2ac8a26eb055 Netherlands
 ea0810a6-63e0-4e2e-b8d0-ae2183252250 Estonia
 e3d65991-dc56-43c4-8d9b-c8d1a678b275 Greece
 cda31a1b-a7ed-4573-951e-9677c1ba4bec Portugal
 e0db57b8-ed68-40e0-b769-9a9194f2dea8 Bulgaria
 d09160ca-e58e-4a3f-a740-84e2891efbf0 Sweden
 06272e1e-0fb2-4dd0-b0b1-79d36d2ffa8a Poland
 274bcc65-417f-4283-905e-6ff982930097 France

Environmental

Environmental Information: 9AKK108467A6707

Ordering

Order Code US and Canada: XT1SE3160AFF000XXX

E-Number (Norway): 4309625

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
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) 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 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

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
1SDA066305R1	ADP MONT. FIXED TERM. x PF XT1 3p	ADP MONT. FIXED TERM. x PF XT1 3p	1	piece
1SDA132710R1	1/2KIT ADP MONT. FIXED TERM. x PF XT1 3p	1/2KIT ADP MONT. FIXED TERM. x PF XT1 3p	1	piece
1SDA066865R1	KIT EF XT1 3pcs	KIT EF XT1 3pcs	1	piece
1SDA066867R1	KIT EF XT1 6pcs	KIT EF XT1 6pcs	1	piece
1SDA066260R1	KIT EF FP XT1 3pcs	KIT EF FP XT1 3pcs	1	piece
1SDA066889R1	KIT ES XT1 3pcs	KIT ES XT1 3pcs	1	piece
1SDA066891R1	KIT ES XT1 6pcs	KIT ES XT1 6pcs	1	piece
1SDA066957R1	KIT FB XT1 3pcs	KIT FB XT1 3pcs	1	piece
1SDA066959R1	KIT FB XT1 6pcs	KIT FB XT1 6pcs	1	piece
1SDA066905R1	KIT FC Cu XT1 3pcs	KIT FC Cu XT1 3pcs	1	piece
1SDA066907R1	KIT FC Cu XT1 6pcs	KIT FC Cu XT1 6pcs	1	piece
1SDA067151R1	KIT FC CuAl 1x1,5...70mm2 XT1 3pcs	KIT FC CuAl 1x1,5...70mm2 XT1 3pcs	1	piece
1SDA067153R1	KIT FC CuAl 1x1,5...70mm2 XT1 6pcs	KIT FC CuAl 1x1,5...70mm2 XT1 6pcs	1	piece
1SDA067155R1	KIT FC CuAl 1x35...95mm2 XT1 3pcs	KIT FC CuAl 1x35...95mm2 XT1 3pcs	1	piece
1SDA067157R1	KIT FC CuAl 1x35...95mm2 XT1 6pcs	KIT FC CuAl 1x35...95mm2 XT1 6pcs	1	piece
1SDA067159R1	KIT FC CuAl 1x120...240mm2 XT1 3pcs +ADP	KIT FC CuAl 1x120...240mm2 XT1 3pcs +ADP	1	piece
1SDA067161R1	KIT FC CuAl 1x120...240mm2 XT1 6pcs +ADP	KIT FC CuAl 1x120...240mm2 XT1 6pcs +ADP	1	piece
1SDA066921R1	KIT MC CuAl 6x2.5...35mm2 XT1 3pcs	KIT MC CuAl 6x2.5...35mm2 XT1 3pcs	1	piece
1SDA066923R1	KIT MC CuAl 6x2.5...35mm2 XT1 6pcs	KIT MC CuAl 6x2.5...35mm2 XT1 6pcs	1	piece
1SDA066937R1	KIT R XT1 3pcs	KIT R XT1 3pcs	1	piece
1SDA066939R1	KIT R XT1 6pcs	KIT R XT1 6pcs	1	piece
1SDA066664R1	HTC XT1 3p TERMINAL COVERS HIGH 2pcs	HTC XT1 3p TERMINAL COVERS HIGH 2pcs	1	piece
1SDA132545R1	MTC XT1 3p TERMINAL COVERS MEDIUM	MTC XT1 3p TERMINAL COVERS MEDIUM	1	piece
1SDA066655R1	LTC XT1 3p TERMINAL COVERS LOW 2pcs	LTC XT1 3p TERMINAL COVERS LOW 2pcs	1	piece
1SDA068954R1	PB 90mm FP 6pcs XT1..XT4 4p KIT DI.PH.RE	PB 90mm FP 6pcs XT1..XT4 4p KIT DI.PH.RE	1	piece

Identifier	Description	Type	Qty	Unit Of Measure
1SDA066652R1	KIT DIN50022 XT1 3p PLATE DIN	KIT DIN50022 XT1 3p PLATE DIN	1	piece
1SDA066268R1	KIT R FP XT1 3pcs	KIT R FP XT1 3pcs	1	piece
1SDA067122R1	RC Inst HV 85...690Vac XT1 3p F	RC Inst HV 85...690Vac XT1 3p F	1	piece
1SDA067123R1	RC Sel HV 85...690Vac XT1 3p F	RC Sel HV 85...690Vac XT1 3p F	1	piece

Categories

Products > Low Voltage Products and Systems > Circuit Breakers > Moulded Case Circuit Breakers > Tmax XT

