



PRODUCT-DETAILS

# XT2S 160 TMD 20-300 3p F F

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## General Information

Extended Product Type	XT2S 160 TMD 20-300 3p F F
Product ID	1SDA067551R1
EAN	8015644014476
Catalog Description	XT2S 160 TMD 20-300 3p F F
Long Description	C.BREAKER TMAX XT2S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 20-300 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	9AKK108468A2348
Environmental Product Declaration - EPD	9AKK108469A1856 9AKK108468A1891
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.70 %

**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	dd2d8641-414b-4427-b9d1-efd3307b27a Italy
Simplified SCIP	7dfb8fe0-9ad7-40aa-8f2f-358bac49a317 Germany 51ee360c-165a-4abd-90a3-472b0b20167a Poland 4bd1cd6c-4e68-445f-9eb7-e4abd065976d Norway 56a6c60c-38e1-4438-a42a-6888caaa781f Netherlands f641648d-6e45-4910-b80d-4be9615ed9e8 Spain 8c91fdea-a741-4cad-b982-a142041ce7fa Netherlands b370fdaa-0c20-4c4b-bf20-a82df9e3e0f9 Finland 5680fd9d-f21d-4c5f-9756-9df8b746aa64 Netherlands b842a1df-5ac7-4bf6-81a4-3d02e7260cb8 Germany ed49eb3d-8e66-4dd5-96d1-9b7160de69f1 Denmark 1365a193-3a88-4927-be5b-00900ecc180b Germany 6e88d400-142e-4cae-9d1d-f359a2081c71 Croatia 2943193e-c496-46ee-a7b7-d6ef23549177 Czech Republic 23dce3db-73e9-4f56-9f57-56f19d4ba82c Poland c14c3bc8-0bef-459e-b4d1-efb3e54a97d1 Netherlands e75600ef-2a51-4f51-b20a-b5bf320233b7 Netherlands 7ad40bf5-7d79-4638-be0c-033af727ee9a Estonia 9b53d8e3-4e37-404d-8481-bce99e4ea99b Greece b00947db-0cc1-480a-9d4d-16c28f0cf7c9 Portugal 0049550f-4e79-4116-b53a-9562f6da836d Bulgaria 52e9b0c6-2247-4028-a632-84b8290566ae Sweden bb48e0d4-f898-42ac-b89c-d5a27c627359 Poland 0bc2a81b-3e28-4111-818d-1a33099f7afa France a1108db8-8ba0-4d7c-b689-3057022d8a79 Sweden 2e730865-8558-409c-972b-b021b7f8a33a Germany a1b21d35-e1a0-4ec0-bbe9-c7b9521dd49a Germany b247cdb7-0626-4e06-a515-a67d98bc9f7d France

**Environmental**

Environmental Information	9AKK108467A6707
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**Ordering**

Order Code US and Canada	XT2SE3020AFF000XXX
E-Number (Finland)	3640577
E-Number (Norway)	4379271
EAN	8015644014476
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

**Dimensions**

Product Net Width	90 mm
Product Net Height	130 mm
Product Net Depth /	82.5 mm

Length	
Product Net Weight	1.4 kg

**Container Information**

Package Level 1 Units	box 1 piece
Package Level 1 Width	130 mm
Package Level 1 Height	208 mm
Package Level 1 Depth / Length	145 mm
Package Level 1 Gross Weight	1.665 kg
Package Level 1 EAN	8015644014476

**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	1SDH002230A1001

**Technical**

Connecting Capacity Main Circuit	Busbar 32.5..100 mm <sup>2</sup>
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 1.62 W
Rated Current (I <sub>n</sub> )	20 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	300 A
Rated Insulation Voltage (U <sub>i</sub> )	1000 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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) 25 kA (690 V AC) 12 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) 25 kA (690 V AC) 12 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	14...20 A
Short-Circuit Performance Level	S
Standards	IEC60947-2
Sub-type	XT2
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	9AKK106713A5901
GL Certificate	1SDL000163R0093
LR Certificate	1SDL000163R0100
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000721R0100
Mechanical Drawings	1SDH000721R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000721R0001

### 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

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## Categories

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

