



PRODUCT-DETAILS

# XT2S 160 TMD 20-300 3p F F

## XT2S 160 TMD 20-300 3p F F



### 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
------------------	-----

### Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.70 %
End of Life Instructions	9AKK108468A2348

Group Waste to Landfill  
Target

UL 2799 Zero Waste To Landfill Validation available

**Eco Transparency**

Environmental Product Declaration - EPD	9AKK108469A1856 9AKK108468A1891
---	------------------------------------

**Environmental**

Environmental Information	9AKK108467A6707
---------------------------	-----------------

**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	dd2d8641-414b-4427-b9d1-ef1d3307b27a Italy (IT)
Simplified SCIP	7dfb8fe0-9ad7-40aa-8f2f-358bac49a317 Germany (DE) 51ee360c-165a-4abd-90a3-472b0b20167a Poland (PL) 4bd1cd6c-4e68-445f-9eb7-e4abd065976d Norway (NO) 56a6c60c-38e1-4438-a42a-6888caaa781f Netherlands (NL) f641648d-6e45-4910-b80d-4be9615ed9e8 Spain (ES) 8c91fdea-a741-4cad-b982-a142041ce7fa Netherlands (NL) b370fdaa-0c20-4c4b-bf20-a82df9e3e0f9 Finland (FI) 5680fd9d-f21d-4c5f-9756-9df8b746aa64 Netherlands (NL) b842a1df-5ac7-4bf6-81a4-3d02e7260cb8 Germany (DE) ed49eb3d-8e66-4dd5-96d1-9b7160de69f1 Denmark (DK) 1365a193-3a88-4927-be5b-00900ecc180b Germany (DE) 6e88d400-142e-4cae-9d1d-f359a2081c71 Croatia (HR) 2943193e-c496-46ee-a7b7-d6ef23549177 Czech Republic (CZ) 23dce3db-73e9-4f56-9f57-56f19d4ba82c Poland (PL) c14c3bc8-0bef-459e-b4d1-efb3e54a97d1 Netherlands (NL) e75600ef-2a51-4f51-b20a-b5bf320233b7 Netherlands (NL) 7ad40bf5-7d79-4638-be0c-033af727ee9a Estonia (EE) 9b53d8e3-4e37-404d-8481-bce99e4ea99b Greece (GR) b00947db-0cc1-480a-9d4d-16c28f0cf7c9 Portugal (PT) 0049550f-4e79-4116-b53a-9562f6da836d Bulgaria (BG) 52e9b0c6-2247-4028-a632-84b8290566ae Sweden (SE) bb48e0d4-f898-42ac-b89c-d5a27c627359 Poland (PL) 0bc2a81b-3e28-4111-818d-1a33099f7afa France (FR) a1108db8-8ba0-4d7c-b689-3057022d8a79 Sweden (SE) 2e730865-8558-409c-972b-b021b7f8a33a Germany (DE) a1b21d35-e1a0-4ec0-bbe9-c7b9521dd49a Germany (DE) b247cdb7-0626-4e06-a515-a67d98bc9f7d France (FR)

**Ordering**

Order Code US and Canada	XT2SE3020AFF000XXX
E-Number (Finland)	3640577
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 / Length	82.5 mm
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	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 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	1000 V

(U <sub>i</sub> )	
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 <sub>cu</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 Uninterrupted Current (I <sub>u</sub> )	160 A
Rated Voltage (U <sub>r</sub> )	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

---

## Classifications

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

