



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

Circular Value	
Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.70 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2348

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	9AKK108469A1856 9AKK108468A1891
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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	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
Connecting Capacity Main Circuit	Busbar 32.5..100 mm²
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
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	20 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_i)	300 A
Rated Insulation Voltage (U_i)	1000 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(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

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
Version	F
CAD Dimensional Drawing	1SDH002230A1001

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 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

