



PRODUCT-DETAILS

# XT2S 160 TMD 32-320 3p F F

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### General Information

Extended Product Type	XT2S 160 TMD 32-320 3p F F
Product ID	1SDA067553R1
EAN	8015644014490
Catalog Description	XT2S 160 TMD 32-320 3p F F
Long Description	C.BREAKER TMAX XT2S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-320 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	ce23f4ae-35ba-49ba-8bcb-1af092fb2c20 Italy
Simplified SCIP	2b5eaa92-205a-40b9-bca7-7e52401ac428 France 23e1caf1-645d-4011-b1bd-567a512901dc Spain ee5b4bb6-f1fb-4651-a746-778bd2eeb374 Hungary 8776e078-a8b0-432d-b5bd-b8361a90fe23 Belgium cafa272f-e73a-473a-8f7f-dc8cd63278f4 Germany ea8a9633-732a-4fd2-b78c-da111d5b6bbe Czech Republic c2ab4b42-18f9-4042-9282-9aae651f22d8 Sweden 542b5cb7-04e5-4e34-854d-6157c44a31e7 Portugal 75364400-521b-471c-b1ac-4ffbb6824e70 Denmark 6239c29b-966e-45a7-b632-beaf0e63c84b Germany 733b23bd-e75a-4f1a-873a-95c5313bc5b4 Germany 043c41c4-6240-457e-b330-9093b5fd26c3 Croatia f60ba0b2-b2ed-48f3-a498-9c2b23430b2b Germany 1db306bb-beec-4694-aea5-39a6e0bbf82d Norway 8801ee98-b3a8-4b58-9e4b-67a12206e7ed Netherlands 095641cf-77ae-4600-bb35-87c96dbe5444 Sweden aa6fb5a3-0908-467d-a472-03f2f23ade01 Bulgaria be054cbb-d051-46bf-940d-3051d79d0240 Poland 19359a19-6b7b-405d-af0d-45756d0b1630 Poland f31eb2c5-8f6a-4af3-9a27-89b88358c8de Hungary bee6c10f-1483-4f75-829a-a9a816a20ec9 Poland c778cea7-8f44-48f5-be7d-61a151c865bf Finland 633608f6-ccb8-48c3-808c-c45159d9ab2c Estonia 891d9794-1b6c-40b5-8af5-b35b1da4af6a Belgium 5a5a49df-463d-4317-9073-0b0d161b6222 Germany 8d288905-05d5-4fdb-90ba-9570c71f0ab6 Greece 1bfc0c02-fab0-49b1-8a3c-dfe1a09a50c6 France

### Environmental

Environmental Information	9AKK108467A6707
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### Ordering

Order Code US and Canada	XT2SE3032AFF000XXX
E-Number (Finland)	3638611
E-Number (Norway)	4379273
EAN	8015644014490
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
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### 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	1.664 kg
Package Level 1 EAN	8015644014490

### 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 2.57 W
Rated Current (I <sub>n</sub> )	32 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> )	320 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	22.4...32 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

