



PRODUCT-DETAILS

XT1C 160 TMD 32-450 3p F F

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General Information	
Extended Product Type	XT1C 160 TMD 32-450 3p F F
Product ID	1SDA067392R1
EAN	8015644695187
Catalog Description	XT1C 160 TMD 32-450 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 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	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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	4e599235-d926-4615-a71c-1de7040d6726 Italy
Simplified SCIP	77fcc699-7c06-40f6-9ee3-735c153c6dcd Germany 3fa2a954-0ff2-424c-8c38-69cfffcb7e71 Poland 016eb8d1-70d2-428e-8610-6b17e417e722 Bulgaria 0515a311-cda7-4cb2-a92b-07e795ccb927 Sweden c41feba3-dcbe-4ff6-aa7d-3c65f17f6527 Spain e4a49827-b15d-4bf7-b12a-d07f41d3c670 Belgium 375df1ca-6156-42c0-8276-cf8d061e29e5 Germany 7de2ae1c-0dc5-4e4d-afbf-4dc18e4510dd Poland 8af8e392-4e25-48bf-a038-1c261e0fdbfe Norway 02595f39-f557-4a1a-869d-d447af948a58 Finland 7eade347-a4c7-4ae5-8109-1427d50ed287 Belgium 2fe2bc3e-fc12-446b-b7fe-318b44a1054a Denmark 87a04bcd-f6f5-4ded-86b8-93f3056d19e6 Greece 29ad1ea9-b920-490a-b737-100152dc7a18 Estonia 71d6aef1-f628-456a-a211-3e53829c15c8 Portugal 738ae6df-0753-4c0c-b1ed-075d6de5b990 Germany 8a780108-c8dd-441d-ae51-4bef2592234b Croatia 90390158-17bd-4b8b-b09e-df85907f43c6 Czech Republic 2ae1704b-4034-423f-af47-5dc82d06826d Germany cb447a4b-0808-4c35-96bd-9c0adb63c697 Hungary fe90101c-9836-42b3-97a7-974d84e65396 Germany 611f72f5-49de-432e-ad9c-2760a05032de France 8d2b95c3-158d-4a08-a7f9-296f71ae1a45 Sweden 8087afeb-1934-4ed7-be66-48018a2e3f11 Netherlands 56c61503-9112-4d77-9173-d119116e6188 Poland 8ee92488-322f-4cc1-b31b-c49e4cd8e124 Hungary

Environmental	
Environmental Information	9AKK108467A6707

Ordering	
Order Code US and Canada	XT1CE3032AFF000XXX
E-Number (Finland)	3638774
E-Number (Norway)	4309612
EAN	8015644695187
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
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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	1.12 kg
Package Level 1 EAN	8015644695187

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 2.1 W
Rated Current (I _n)	32 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	450 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) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA

Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(525 V AC) 8 kA
	(690 V AC) 4 kA
	(250 V DC) 2 Poles in Series 25 kA
	(500 V DC) 3 Poles in Series 25 kA
	(220 V AC) 40 kA
	(230 V AC) 40 kA
	(240 V AC) 40 kA
	(380 V AC) 25 kA
	(415 V AC) 25 kA
	(440 V AC) 25 kA
	(500 V AC) 18 kA
	(525 V AC) 8 kA
	(690 V AC) 4 kA
	(250 V DC) 2 Poles in Series 25 kA
	(500 V DC) 3 Poles in Series 25 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	C
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 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)

Categories

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

