



PRODUCT-DETAILS

XT1H 160 TMD 32-450 3p F F

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General Information	
Extended Product Type	XT1H 160 TMD 32-450 3p F F
Product ID	1SDA080838R1
EAN	8015644873660
Catalog Description	XT1H 160 TMD 32-450 3p F F
Long Description	C.BREAKER TMAX XT1H 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347

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	9AKK108468A1890 9AKK108468A7793
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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	799a5a0a-f826-489e-95ff-8ae5f4a2dd77 Italy (IT)
Simplified SCIP	38ce573c-1c7d-4c32-9313-52e145d4c451 Hungary (HU) 2b0fdf51-8aea-4629-9161-c088f256d8d1 Germany (DE) 57a9cb17-b21b-43b8-9cd5-d95fa114ef1b Germany (DE) e063f8a8-c27d-4ae6-9760-9001fd8f550d Poland (PL) 068633de-f4a7-4d63-974a-d87477cce56b Netherlands (NL) 83c20002-fe92-45ac-8951-df84140f0852 Hungary (HU) b37607c5-ba77-47b7-8aa8-bac269740610 Estonia (EE) dc4cc49a-7787-4849-ba68-47dc463e408d Portugal (PT) c9cd4b35-9b63-4396-b569-f80db21c013a Bulgaria (BG) 57b37ab4-5bab-4394-899b-279d7ce3836d Greece (GR) 80d35953-45fb-4b17-b348-165ee46e3cc6 Sweden (SE) a785b642-6ad3-4fa3-ab42-9d38e3e8a60f Sweden (SE) 0f1da628-9ef2-4f78-84cc-6d3e320a7540 Poland (PL) 54a490ab-a2fa-4825-a6cf-6ce92588eed8 France (FR) f6348cd0-9410-4bdd-b42c-cdbb58123fce Spain (ES) 6c921790-9124-4615-bd51-2e73e17720c3 Belgium (BE) d7775138-655b-4070-8ff2-d2d8411dbd50 Norway (NO) e09e373d-2e5b-4ca7-b4eb-11308bf85188 Finland (FI) 2de2181b-2143-41b2-ba4d-425e2dcd43a8 Belgium (BE) a67dc3b8-54f6-4634-a001-8fab627a446b Germany (DE) 1229eae3-fc19-4472-892a-4fcb129422ed Denmark (DK) 3e64f83a-1472-41fe-aeaa-04c9eae0f03e Germany (DE) feeb7a00-768f-4d2c-8746-fab252305327 Croatia (HR) d5ede6fb-ce04-4c84-9afa-a9baaa93a3aa Czech Republic (CZ) dafae32b-b629-486a-af2f-10d02698674d Poland (PL) 32fa72d5-fcc5-4e97-a640-2132d8d2f402 Germany (DE) c37dd7a5-78e1-4ce8-aabe-6e76da3fd34 France (FR)

Ordering

Order Code US and Canada	XT1HE3032AFF000XXX
EAN	8015644873660
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 kg

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	1.1 kg
Package Level 1 EAN	8015644873660

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	32 A
Rated Voltage (U_r)	690 V
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) 75 kA (230 V AC) 75 kA (240 V AC) 75 kA (380 V AC) 52.5 kA (415 V AC) 37.5 kA (440 V AC) 32.5 kA (500 V AC) 25 kA (525 V AC) 17.5 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 52.5 kA (500 V DC) 3 Poles in Series 52.5 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(220 V AC) 100 kA (230 V AC) 100 kA (240 V AC) 100 kA (380 V AC) 70 kA (415 V AC) 70 kA (440 V AC) 65 kA (500 V AC) 50 kA (525 V AC) 35 kA (690 V AC) 10 kA (250 V DC) 2 Poles in Series 70 kA (500 V DC) 3 Poles in Series 70 kA
Rated Uninterrupted Current (I_u)	160 A
Release	TMD
Release Type	TM
Setting Range	22.4...32 A
Short-Circuit Performance Level	H
Standards	IEC60947-2

Sub-type	XT1
Terminal Connection Type	Front
Version	F
CAD Dimensional Drawing	1SDH001295R0008

Certificates and Declarations

Data Sheet, Technical Information	1SDC210100D0206 1SDC210099D0206
Declaration of Conformity - CE	9AKK106713A5532
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0001

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
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

