



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	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Principles Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill	UL 2799 Zero Waste To Landfill Validation available

Target	
Toxic Substances	9AKK108467A8326
Control Act - TSCA	

Eco Transparency

Environmental Product	9AKK108468A1890
Declaration - EPD	9AKK108468A7793

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-6e76da3f1d34 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
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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	1.1 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	IEC
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

