



PRODUCT-DETAILS

XT1C 160 TMD 25-450 3p F F

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General Information	
Extended Product Type	XT1C 160 TMD 25-450 3p F F
Product ID	1SDA067391R1
EAN	8015644012151
Catalog Description	XT1C 160 TMD 25-450 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 25-450 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
End of Life Instructions	9AKK108468A2347

Group Waste to Landfill
Target

UL 2799 Zero Waste To Landfill Validation available

Eco Transparency

Environmental Product Declaration - EPD 9AKK108468A1890
9AKK108468A7793

Environmental

Environmental Information 9AKK108467A6707

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 db866913-fe89-4d27-9e19-1544af8a4f02 Italy (IT)
 Simplified SCIP f202abe0-12ec-4179-97cf-89b315c6c305 Belgium (BE)
 3d1fa375-8d2c-4fb5-beca-a263dfdbb827 Hungary (HU)
 54b75992-3367-4791-b554-6dcbff2ab3cf Spain (ES)
 a27280a8-bca2-4b6a-b682-ae8b015e303e Greece (GR)
 f8cb45b8-f33d-4e6b-82a8-09008d3d5c87 France (FR)
 575dd2dc-8960-4074-82bf-3f3a454ae5eb Germany (DE)
 271e4ada-c178-46d8-aed4-cf3761368d48 Denmark (DK)
 5fe60ea6-1acd-43a3-b6c0-21244ea6a92b Sweden (SE)
 8ef0202e-998e-43d7-98b7-7e3bd879e073 Germany (DE)
 79ff2322-f3e6-4a8d-b239-076d37b54fd2 France (FR)
 b27a41fe-5e2e-48d4-b833-8334bc466293 Germany (DE)
 e273ae3b-0922-414e-93c0-80847d9fdda3 Czech Republic (CZ)
 e963bee8-abc4-4c15-96b0-94965f6da5b1 Croatia (HR)
 8d05a666-8814-4069-9dee-84b22f24a159 Germany (DE)
 40ef665a-3599-439a-92b4-b97e5b6085cc Poland (PL)
 7cae70a8-4172-4379-98ce-ff8f11f1c36f Poland (PL)
 49d6c5fa-246b-46e4-b329-4b165daac59c Germany (DE)
 fa51e80d-bef3-49a2-af40-09ec71becb56 Portugal (PT)
 29ebdc46-1142-4461-96f6-db3e960849ff Belgium (BE)
 ad417ab4-6c41-4c97-9ddd-ae123597879c Estonia (EE)
 f9c06e0e-932a-4471-a853-26b1015c0454 Poland (PL)
 fa1d5045-f5f1-4b1d-9ae6-a0a3df0c2bad Hungary (HU)
 daaa0f9a-041f-4888-be09-84b146fb9d05 Finland (FI)
 e790b803-9f89-4861-aa6b-77ff28a18a26 Bulgaria (BG)
 a0187f54-10d1-4941-b25f-e7d1c73d8684 Norway (NO)
 6ce47805-01dc-43b0-b9d7-a5185f82de42 Netherlands (NL)
 85b2530f-01c1-49b5-b154-f7549e299333 Sweden (SE)

Ordering

Order Code US and Canada XT1CE3025AFF000XXX
 E-Number (Finland) 3638773
 EAN 8015644012151
 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

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	1.124 kg
Package Level 1 EAN	8015644012151

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	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 2 W
Rated Current (I _n)	25 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	800 V

(U _i)	
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 (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 Ultimate Short-Circuit Breaking Capacity (I _{cu})	(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	17.5...25 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

Classifications

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

