



PRODUCT-DETAILS

XT1C 160 TMD 80-800 4p F F

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General Information

Extended Product Type	XT1C 160 TMD 80-800 4p F F
Product ID	1SDA067405R1
EAN	8015644012991
Catalog Description	XT1C 160 TMD 80-800 4p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 80-800 A

ABB EcoSolutions

ABB EcoSolutions	Yes
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Circular Value

Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
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	b4b0d57b-eaed-48f5-a5aa-b0a3a791d76c Italy (IT)
Simplified SCIP	0390efa6-8f8c-4e04-9d26-03581f5126ff Germany (DE) acc06aa-c953-43dc-acde-74a5704d31d8 Poland (PL) 278521b2-18e1-472b-80c8-f0957672b07c Norway (NO) d8c708db-ff90-4dac-b5b9-94cb605ad33b Finland (FI) 1206613f-1f7b-450c-bcff-cef5759f75bf Netherlands (NL) 919a9a87-73c2-4e35-8b87-46be15ce697d Germany (DE) 77bdd843-3a7e-40ee-b907-19ddb34895c4 Denmark (DK) 97c82ce6-6c07-4cc4-a92e-15a7621e5a2e Germany (DE) 3a1c888a-53d2-4d95-a2dd-bec2fb77bbcf Croatia (HR) f03b1e46-3896-43ce-9172-1b0b89002dbe Czech Republic (CZ) 9df54a1c-1d45-46f3-9f84-5bc5004c07aa Poland (PL) bf5fabdb-52ae-40a3-944b-3283f42cfa14 Netherlands (NL) c705c95f-3c16-48a8-aa71-9021304cad8 Netherlands (NL) dd314dd9-4ac3-4c5c-9347-3b0a5626119b Estonia (EE) 60587267-bf2b-4b7e-a18b-10769c280b71 Greece (GR) be714808-e500-4440-8fbb-eb0280942062 Portugal (PT) ef4a0ad5-8fe3-4821-9c65-a7e4dd905724 Germany (DE) 01cd25e6-03e4-471e-adab-e1a443f3e65e Germany (DE) 2e0413f3-d6f1-46fa-bc9d-7469431da8a7 France (FR) b3d3e57d-8313-4221-a8ee-50fb87429a9c Netherlands (NL) f7274875-9104-40ee-a25d-89c5523ff1c4 Spain (ES) ce5f34df-192d-4911-b547-61c3354596d0 Netherlands (NL) 95b48d55-a5bf-42f5-a592-48986e80c067 Bulgaria (BG) 08f5546b-55ab-430e-83c7-c3f81f91065d Sweden (SE) ce5f34df-192d-4911-b547-61c3354596d0 Netherlands (NL) e93953a9-0203-4f75-b338-c8528df6fa89 Poland (PL) 04584a8f-5b6b-4634-99bc-4e25938b7a0a France (FR) a2372b25-8c9f-4215-846f-cc078affc654 Sweden (SE) ef4a0ad5-8fe3-4821-9c65-a7e4dd905724 Germany (DE) 01cd25e6-03e4-471e-adab-e1a443f3e65e Germany (DE) 2e0413f3-d6f1-46fa-bc9d-7469431da8a7 France (FR) b3d3e57d-8313-4221-a8ee-50fb87429a9c Netherlands (NL) f7274875-9104-40ee-a25d-89c5523ff1c4 Spain (ES) acc06aa-c953-43dc-acde-74a5704d31d8 Poland (PL) 278521b2-18e1-472b-80c8-f0957672b07c Norway (NO) d8c708db-ff90-4dac-b5b9-94cb605ad33b Finland (FI) 1206613f-1f7b-450c-bcff-cef5759f75bf Netherlands (NL) 919a9a87-73c2-4e35-8b87-46be15ce697d Germany (DE) 77bdd843-3a7e-40ee-b907-19ddb34895c4 Denmark (DK) 97c82ce6-6c07-4cc4-a92e-15a7621e5a2e Germany (DE) 3a1c888a-53d2-4d95-a2dd-bec2fb77bbcf Croatia (HR) f03b1e46-3896-43ce-9172-1b0b89002dbe Czech Republic (CZ) 9df54a1c-1d45-46f3-9f84-5bc5004c07aa Poland (PL) bf5fabdb-52ae-40a3-944b-3283f42cfa14 Netherlands (NL) c705c95f-3c16-48a8-aa71-9021304cad8 Netherlands (NL) dd314dd9-4ac3-4c5c-9347-3b0a5626119b Estonia (EE) 60587267-bf2b-4b7e-a18b-10769c280b71 Greece (GR) be714808-e500-4440-8fbb-eb0280942062 Portugal (PT) 95b48d55-a5bf-42f5-a592-48986e80c067 Bulgaria (BG) 08f5546b-55ab-430e-83c7-c3f81f91065d Sweden (SE) e93953a9-0203-4f75-b338-c8528df6fa89 Poland (PL)

04584a8f-5b6b-4634-99bc-4e25938b7a0a France (FR)
a2372b25-8c9f-4215-846f-cc078affc654 Sweden (SE)

Ordering	
Order Code US and Canada	XT1CE4080AFF000XXX
E-Number (Finland)	3638191
EAN	8015644012991
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions	
Product Net Width	101.6 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.4 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	1.438 kg
Package Level 1 EAN	8015644012991

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	1SDH001295R0080

Technical	
Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	4
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 4.8 W
Rated Current (I _n)	80 A
Rated Frequency (f)	50 / 60 Hz

Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I_l)	800 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 (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	56...80 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

