



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

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Conflict Minerals Reporting Template	9AKK108467A5658

(CMRT)

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

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	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-bec2fb77bcbf 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-c8528df6a89 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-bec2fb77bcbf 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
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	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
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker

Rated Current (I _n)	80 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U _r)	690 V
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
RoHS Date	NA
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
Version	F
CAD Dimensional Drawing	1SDH001295R0080

Certificates and Declarations

ATEX Certificate	No certification needed
Data Sheet, Technical Information	1SDC210100D0206 1SDC210099D0206
Declaration of	9AKK106713A5532

Conformity - CE	
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 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
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

