



PRODUCT-DETAILS

XT1B 160 TMD 160-1600 4p F F InN=100%

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General Information	
Extended Product Type	XT1B 160 TMD 160-1600 4p F F InN=100%
Product ID	1SDA066821R1
EAN	8015644007287
Catalog Description	XT1B 160 TMD 160-1600 4p F F InN=100%
Long Description	C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A FULLY RATED NEUTRAL

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
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Environmental

Environmental Information	9AKK108467A6707
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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 dfffc0b3-275c-4afb-85d2-fb95dc5c1a90 Italy (IT)

Simplified SCIP	d8f3ceae-ac79-493c-abf5-30fb8f5c5fd8 Germany (DE) 07d83eab-e766-44eb-ade5-6f4efbf3d099 Poland (PL) 8d8ff8a0-f0fa-423d-b019-88da3d01f3c8 Norway (NO) 0df604d1-dea7-4d0b-b460-df618976cd0e Finland (FI) fbda3a53-01f7-4a6d-ab8d-ae4eff52baed Netherlands (NL) a3a08ef1-5cfc-4642-b459-3ffbcfb989b4 Germany (DE) 9ca0f39e-a1d5-4b5e-b628-3a858888df61 Denmark (DK) b2eb429f-aba8-4a51-8dec-22f5686f9ced Germany (DE) 13d894ec-98dc-4540-aa67-20ca86ae4636 Croatia (HR) 64e7ad0d-89db-41a1-b23f-a5c3e7543cf2 Czech Republic (CZ) 3ca9d06b-7af7-4e1a-b458-44dd79e4166b Poland (PL) e1e8ccfd-e67e-46a5-9fa0-b5bbaf1ee632 Netherlands (NL) 1aee0c1b-19b1-49f6-8772-3e44b970c5e6 Netherlands (NL) b85c8bd5-b064-48bb-a79d-07712b1d3b74 Estonia (EE) 8fcb9348-1666-4fca-b96c-3fe1ff34398a Greece (GR) 97000770-294d-43c2-a581-b758391bce74 Portugal (PT) c7cc62ca-74b7-4858-9811-756a4541c687 Bulgaria (BG) 1d06ee5b-04b6-473c-ac30-79908273713a Sweden (SE) a55ab81b-f486-4cb9-bfec-974145cbaf3d Poland (PL) 23e3c382-3a3b-4708-a045-f10377c33a6b France (FR) 2ca0c4dc-5dfc-4ab4-a72a-f5ba8b518c91 Sweden (SE) bca5eac6-b106-47cf-b1fd-0f56213d94ba Germany (DE) cda3b236-f5ae-4c05-adbc-a026c1c8b322 Germany (DE) 6728e3db-d91f-4c09-9911-cf2c315015c1 France (FR) 605f2fd8-645d-4fab-b7db-cae0aaf621ff Netherlands (NL) 7a2eae21-ee98-44fe-ba3d-de24092dd143 Spain (ES) 3d17c99b-c081-4669-a654-d02e7277633f Netherlands (NL)
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Ordering

Order Code US and Canada	XT1BE4160AFF000XXX
E-Number (Norway)	4309710
EAN	8015644007287
Minimum Order Quantity	1 piece

Customs Tariff Number	85362090
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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	1.454 kg
Package Level 1 EAN	8015644007287

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 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 15 W
Rated Current (I _n)	160 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	1600 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) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 11.25 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA (380 V AC) 18 kA (415 V AC) 18 kA (440 V AC) 15 kA (500 V AC) 8 kA (525 V AC) 6 kA (690 V AC) 3 kA (250 V DC) 2 Poles in Series 18 kA (500 V DC) 3 Poles in Series 18 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	112...160 A
Short-Circuit Performance Level	B
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

