



PRODUCT-DETAILS

XT1N 160 TMD 160-1600 4p F F InN=100%

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General Information	
Extended Product Type	XT1N 160 TMD 160-1600 4p F F InN=100%
Product ID	1SDA067428R1
EAN	8015644013226
Catalog Description	XT1N 160 TMD 160-1600 4p F F InN=100%
Long Description	C.BREAKER TMAX XT1N 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	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
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
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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	0ac951c1-9b40-4f47-a751-2ab056ffe1d8 Italy (IT)
Simplified SCIP	47481f31-3db7-43fa-90e7-510370035ce9 Germany (DE) 3d1957e6-6fff-4ac5-a4de-caa94ab5c364 France (FR) 585d169a-087c-4da7-ad22-14f7211e98a1 Netherlands (NL) ff4fab3b-79ba-48cf-8ed4-5efe459324fa Estonia (EE) f70a208d-8500-4b87-8e80-56eb4dcb62f2 Greece (GR) ab874939-835a-44db-8d0f-0ae656d2b42c Portugal (PT) 3d1957e6-6fff-4ac5-a4de-caa94ab5c364 France (FR) bd36d84d-14a0-4614-8240-3ca69ef29c39 Sweden (SE) 9be1dbef-ca32-4fe8-b574-89b5a88b48ee Germany (DE) de6316e9-bdb1-43e5-b16d-b95b72c5dfb4 Germany (DE) 602c2f91-c382-4023-97d1-6af1a6d6081a France (FR) 8cba98fa-d5d2-4ec5-bf3c-1960563892a0 Netherlands (NL) bd36d84d-14a0-4614-8240-3ca69ef29c39 Sweden (SE) 9be1dbef-ca32-4fe8-b574-89b5a88b48ee Germany (DE) de6316e9-bdb1-43e5-b16d-b95b72c5dfb4 Germany (DE) 602c2f91-c382-4023-97d1-6af1a6d6081a France (FR) 8cba98fa-d5d2-4ec5-bf3c-1960563892a0 Netherlands (NL) 17496149-365a-445d-af68-54e4bc6db1db Spain (ES) 14cd69a0-0aec-4cca-80b5-96c95c8af3e4 Netherlands (NL) e3656c3b-bce5-47e5-afeb-7f009b696b0a Bulgaria (BG) de206646-cbea-472d-bc5e-38f523d75152 Sweden (SE) 14cd69a0-0aec-4cca-80b5-96c95c8af3e4 Netherlands (NL) cce5ff42-1b35-421b-84db-020aa9af0a7a Poland (PL) ff4fab3b-79ba-48cf-8ed4-5efe459324fa Estonia (EE) f70a208d-8500-4b87-8e80-56eb4dcb62f2 Greece (GR) ab874939-835a-44db-8d0f-0ae656d2b42c Portugal (PT) e3656c3b-bce5-47e5-afeb-7f009b696b0a Bulgaria (BG) de206646-cbea-472d-bc5e-38f523d75152 Sweden (SE) cce5ff42-1b35-421b-84db-020aa9af0a7a Poland (PL) 17496149-365a-445d-af68-54e4bc6db1db Spain (ES) a8e7d90f-4315-4279-a905-8664948cfaff Poland (PL) 4dc6cdf8-32d7-49b1-a117-c0ce3ad2f633 Norway (NO) c3b8ec46-1389-4df7-8ed0-faeafd3b6c2d Finland (FI) 17032ab3-d170-46a5-983e-858cc49ab98d Netherlands (NL) a4916536-3f0a-4c32-979a-0ef6d86b33ea Germany (DE) 7f380bd4-62bf-43fd-b963-40441f5c8867 Denmark (DK) 29282873-f42c-494c-a6f0-215e2e76a9f8 Germany (DE) 31575187-3d16-43b1-ad84-85ff5a7ee577 Croatia (HR) 99bddbbc-3e48-4a6d-b5b0-61c3be192e43 Czech Republic (CZ) 3024527b-6e7a-4d6a-a536-159275b759d0 Poland (PL) 83801f67-afd3-4187-897a-3539e975ecba Netherlands (NL) 585d169a-087c-4da7-ad22-14f7211e98a1 Netherlands (NL) a8e7d90f-4315-4279-a905-8664948cfaff Poland (PL) 4dc6cdf8-32d7-49b1-a117-c0ce3ad2f633 Norway (NO) c3b8ec46-1389-4df7-8ed0-faeafd3b6c2d Finland (FI) 17032ab3-d170-46a5-983e-858cc49ab98d Netherlands (NL) a4916536-3f0a-4c32-979a-0ef6d86b33ea Germany (DE) 7f380bd4-62bf-43fd-b963-40441f5c8867 Denmark (DK) 29282873-f42c-494c-a6f0-215e2e76a9f8 Germany (DE) 31575187-3d16-43b1-ad84-85ff5a7ee577 Croatia (HR) 99bddbbc-3e48-4a6d-b5b0-61c3be192e43 Czech Republic (CZ) 3024527b-6e7a-4d6a-a536-159275b759d0 Poland (PL) 83801f67-afd3-4187-897a-3539e975ecba Netherlands (NL)

Ordering	
Order Code US and Canada	XT1NE4160AFF000XXX
E-Number (Sweden)	3182447
EAN	8015644013226
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	1.47 kg
Package Level 1 EAN	8015644013226

Additional Information	
Circuit Breaker Type to be Associated	Power Distribution
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 15 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I_n)	160 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)	1600 A
Rated Insulation Voltage (U_i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-	(220 V AC) 50 kA

Circuit Breaking Capacity (I _{cs})	(230 V AC) 50 kA
	(240 V AC) 50 kA
	(380 V AC) 36 kA
	(415 V AC) 36 kA
	(440 V AC) 18 kA
	(500 V AC) 15 kA
	(525 V AC) 11 kA
	(690 V AC) 5 kA
	(250 V DC) 2 Poles in Series 36 kA
	(500 V DC) 3 Poles in Series 36 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(220 V AC) 65 kA
	(230 V AC) 65 kA
	(240 V AC) 65 kA
	(380 V AC) 36 kA
	(415 V AC) 36 kA
	(440 V AC) 36 kA
	(500 V AC) 30 kA
	(525 V AC) 22 kA
	(690 V AC) 6 kA
	(250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 36 kA
Rated Uninterrupted Current (I _u)	160 A
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
RoHS Date	NA
Setting Range	112...160 A
Short-Circuit Performance Level	N
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 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 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)

Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

