



PRODUCT-DETAILS

XT3N 250 TMD 160-1600 3p F F

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General Information	
Extended Product Type	XT3N 250 TMD 160-1600 3p F F
Product ID	1SDA068057R1
EAN	8015644019280
Catalog Description	XT3N 250 TMD 160-1600 3p F F
Long Description	C.BREAKER TMAX XT3N 250 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 160-1600 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 56.6 %
End of Life Instructions	9AKK108468A2350
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A2294 9AKK108468A7794
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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	9bbfba75-9598-428d-b05c-f0866bf2751d Italy (IT)
Simplified SCIP	186dcd54-25fa-4101-9c9d-b698b1d9acbd Germany (DE) 0f0b6c02-b429-4c5b-926f-cb98f2d67a2a Netherlands (NL) 98303b6e-e09e-4d19-b13c-ca9a183fa838 Germany (DE) 9c07c0e2-1148-4ec8-86fe-83805de4787c Sweden (SE) d6110866-5eb1-4998-846a-f3abb00c6ac8 Germany (DE) b6b5a8ba-d149-47be-86db-2706e8b5d07a Croatia (HR) 9c8684f1-75a6-411d-b40c-b2c1eb903a29 Poland (PL) 66e732e6-a80f-46ea-9100-dc9681f76b58 Norway (NO) a2af9d3f-d2ac-40c2-ac89-95e627804dab Finland (FI) 82e8de99-3818-41fd-9db5-91ebce08b7f2 Netherlands (NL) 3a54d027-860b-411a-ab7e-7794a03b2661 Germany (DE) c29148ed-c752-4943-957b-48e521c158ee Bulgaria (BG) 6c0ae89b-503b-40c5-b10c-f76a49d3008 Sweden (SE) d6c64ba9-85dc-481a-85b8-f90725c33c5d Denmark (DK) e57dfc82-4dc2-4877-8dff-06df839ec912 Poland (PL) 837fc8cc-9c01-4d53-9da3-a45547db61cc France (FR) 6c291123-4d2c-4a87-b5eb-6628e649ce91 Netherlands (NL) dcf6a8aa-4991-4f94-a572-0ced9306f46f Czech Republic (CZ) cbc03a45-e6a8-48ca-8bc6-79ff97ca0363 Poland (PL) b22f5b77-4e46-4d88-84e2-f6591e411317 Netherlands (NL) 78537439-cebf-4238-a8f9-c2074c24574d Estonia (EE) c4b3c616-343d-4c0c-b00b-dfd8fdc44373 Greece (GR) f05da2e3-db7d-41e9-880a-f2c26a984e4d Portugal (PT) c5a1d7c1-1ab9-446e-adf0-e252be4f7576 Germany (DE) 083ae48c-ec3e-45db-b57c-63d74c83cfbe France (FR) 9933c2d8-203d-4642-9ef1-e02ec99f9ecd Netherlands (NL) 7fe72321-80b3-4336-9e2f-4e3501fd7699 Spain (ES)

Ordering

Order Code US and Canada	XT3NE3160AFF000XXX
E-Number (Sweden)	3182433
EAN	8015644019280
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	105 mm
Product Net Height	150 mm
Product Net Depth / Length	70 mm

Product Net Weight 1.7 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	155 mm
Package Level 1 Height	190 mm
Package Level 1 Depth / Length	155 mm
Package Level 1 Gross Weight	1.702 kg
Package Level 1 EAN	8015644019280

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	1SDH001295R0409

Technical

Connecting Capacity Main Circuit	Busbar 85..192 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 7.9 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 _s)	1600 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) 50 kA (230 V AC) 50 kA (240 V AC) 50 kA (380 V AC) 27 kA (415 V AC) 36 kA (440 V AC) 19 kA (500 V AC) 15 kA (525 V AC) 9.75 kA (690 V AC) 3.75 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 50 kA
Rated Ultimate Short-Circuit Breaking Capacity	(220 V AC) 50 kA (230 V AC) 50 kA (240 V AC) 50 kA

(I _{cu})	(380 V AC) 36 kA (415 V AC) 36 kA (440 V AC) 36 kA (500 V AC) 20 kA (525 V AC) 13 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 36 kA (500 V DC) 3 Poles in Series 50 kA
Rated Uninterrupted Current (I _u)	250 A
Rated Voltage (U _r)	690 V
Recommended Screw Driver	Main Circuit M8
Release	TMD
Release Type	TM
Setting Range	112...160 A
Short-Circuit Performance Level	N
Standards	IEC60947-2
Sub-type	XT3
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	8 N·m

Certificates and Declarations

ATEX Certificate	No certification needed
Data Sheet, Technical Information	1SDC210100D0206 1SDC210099D0206
Declaration of Conformity - CE	9AKK106713A5530
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000720R0100
Mechanical Drawings	1SDH000720R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000720R0001

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

