



PRODUCT-DETAILS

XT1S 160 TMD 125-1250 3p F F

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General Information	
Extended Product Type	XT1S 160 TMD 125-1250 3p F F
Product ID	1SDA067435R1
EAN	8015644013295
Catalog Description	XT1S 160 TMD 125-1250 3p F F
Long Description	C.BREAKER TMAX XT1S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 125-1250 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
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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	f49e4001-b08f-46d2-aec9-37b945766b1d Italy (IT)
Simplified SCIP	d9429212-2566-4a0c-90aa-87c392ffd0f1 Germany (DE) cfe829c4-b6c3-4879-9507-f15039ffd86c Sweden (SE) 2a94369a-734b-4df7-8fcf-c36922f1aba0 Poland (PL) 1cdbca59-5f98-44a2-835f-d055e7924342 France (FR) 27f49697-30c4-477a-b4fb-7271aa4f48cb Poland (PL) 9127d225-fc4c-41c3-bd74-bcb68dd46d1b Norway (NO) f98eaf2e-b87a-41ce-97c6-879625fb971b Finland (FI) 79501aa2-5248-44da-a7b0-808e13ef71b9 Netherlands (NL) 512432ce-69af-49af-b82b-7260dc6b76a8 Germany (DE) 6d095fbb-3bba-4f6e-87eb-1a4c92c94602 Denmark (DK) d0a98648-603b-4c77-bb62-99a655c21541 Germany (DE) 08b211a3-b478-4784-a423-35db653a0e71 Croatia (HR) 22741f6d-824f-4ff3-abf8-d0b1c0263f08 Czech Republic (CZ) 468b16fc-4fb5-4a77-b48d-e7939637d3a4 Poland (PL) d753857d-60c7-456b-a13c-7595c65cdfc6 Spain (ES) e476f6db-ca78-4f98-8f4f-c38fe9bc0031 Netherlands (NL) c119fa8f-cab9-4902-b2f9-ec577586e6fe Bulgaria (BG) cfe829c4-b6c3-4879-9507-f15039ffd86c Sweden (SE) e476f6db-ca78-4f98-8f4f-c38fe9bc0031 Netherlands (NL) 2a94369a-734b-4df7-8fcf-c36922f1aba0 Poland (PL) e5ffbc1-7a2e-4c5a-8693-0fa33da75ed7 Netherlands (NL) 485650d8-2a42-4080-8208-3aaf52652d23 Netherlands (NL) cb02c5ac-ea0b-4278-aea1-b11b43ba863d Estonia (EE) ae988fe3-380c-4310-884d-5b8d120a6e1c Greece (GR) e72967d3-5e07-4ddc-9adf-2a92a33d7af1 Portugal (PT) 72006772-dc2f-42ba-bf7a-eea75a5fe43d Sweden (SE) 131e1472-b737-4e6c-8a83-2765eb48e459 Germany (DE) 2c1366ff-ebab-438d-b493-910828f8de0e Germany (DE) f437e8ce-11bd-4a59-ba5d-53075c7c543a France (FR) ace5b4f1-ff53-4adb-a0da-a497a76c3ced Netherlands (NL) 1cdbca59-5f98-44a2-835f-d055e7924342 France (FR) 72006772-dc2f-42ba-bf7a-eea75a5fe43d Sweden (SE) 131e1472-b737-4e6c-8a83-2765eb48e459 Germany (DE) 2c1366ff-ebab-438d-b493-910828f8de0e Germany (DE) f437e8ce-11bd-4a59-ba5d-53075c7c543a France (FR) ace5b4f1-ff53-4adb-a0da-a497a76c3ced Netherlands (NL) d753857d-60c7-456b-a13c-7595c65cdfc6 Spain (ES) 27f49697-30c4-477a-b4fb-7271aa4f48cb Poland (PL) 9127d225-fc4c-41c3-bd74-bcb68dd46d1b Norway (NO) f98eaf2e-b87a-41ce-97c6-879625fb971b Finland (FI) 79501aa2-5248-44da-a7b0-808e13ef71b9 Netherlands (NL) 512432ce-69af-49af-b82b-7260dc6b76a8 Germany (DE) 6d095fbb-3bba-4f6e-87eb-1a4c92c94602 Denmark (DK) d0a98648-603b-4c77-bb62-99a655c21541 Germany (DE) 08b211a3-b478-4784-a423-35db653a0e71 Croatia (HR)

22741f6d-824f-4ff3-abf8-d0b1c0263f08 Czech Republic (CZ)
468b16fc-4fb5-4a77-b48d-e7939637d3a4 Poland (PL)
e5ffbce1-7a2e-4c5a-8693-0fa33da75ed7 Netherlands (NL)
485650d8-2a42-4080-8208-3aaf52652d23 Netherlands (NL)
cb02c5ac-ea0b-4278-aea1-b11b43ba863d Estonia (EE)
ae988fe3-380c-4310-884d-5b8d120a6e1c Greece (GR)
e72967d3-5e07-4ddc-9adf-2a92a33d7af1 Portugal (PT)
c119fa8f-cab9-4902-b2f9-ec577586e6fe Bulgaria (BG)

Ordering

Order Code US and Canada	XT1SE3125AFF000XXX
EAN	8015644013295
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.1 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	1.175 kg
Package Level 1 EAN	8015644013295

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	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 10.7 W
Product Main Type	SACE Tmax XT
Product Name	Leistungsschalter
Product Type	Automatic Circuit Breaker
Rated Current (I _n)	125 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)	1250 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) 63.75 kA (230 V AC) 63.75 kA (240 V AC) 63.75 kA (380 V AC) 50 kA (415 V AC) 37.5 kA (440 V AC) 25 kA (500 V AC) 18 kA (525 V AC) 17.5 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(220 V AC) 85 kA (230 V AC) 85 kA (240 V AC) 85 kA (380 V AC) 50 kA (415 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 36 kA (525 V AC) 35 kA (690 V AC) 8 kA (250 V DC) 2 Poles in Series 50 kA (500 V DC) 3 Poles in Series 50 kA
Rated Uninterrupted Current (I _u)	160 A
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	87.5...125 A
Short-Circuit Performance Level	S
Standards	IEC60947-2
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m
Version	F
CAD Dimensional Drawing	1SDH001295R0008

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)
eClass	V11.1 : 27370409

Categories

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

