



PRODUCT-DETAILS

# XT1H 160 TMD 125-1250 3p F F

## XT1H 160 TMD 125-1250 3p F F



### General Information

Extended Product Type	XT1H 160 TMD 125-1250 3p F F
Product ID	1SDA067453R1
EAN	8015644013479
Catalog Description	XT1H 160 TMD 125-1250 3p F F
Long Description	C.BREAKER TMAX XT1H 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 125-1250 A

### ABB EcoSolutions

ABB EcoSolutions	Yes
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### 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

**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	257f727a-d73b-4b44-9b03-f660196a0e86 Italy (IT)
Simplified SCIP	5c828b60-5527-4871-961b-d10cab4f90f3 France (FR) 17a1f22a-6317-4788-bd82-724e76616265 Germany (DE) e27712b2-6ae0-42c4-99bf-6efdeef3098b Spain (ES) 6ca28ee4-c3cf-438d-8069-059fba8cda03 Belgium (BE) 0937c73e-4918-409f-af6f-557974a0ac60 Hungary (HU) 9d04a931-95ce-4982-9a87-a18ef7952af4 Germany (DE) da5c651f-ad6f-4830-9838-75307a3e41c3 Denmark (DK) f08a6ac8-4d07-4f5c-898a-f2679f9cfe7a Croatia (HR) e5f5944f-30ce-44b8-8ebb-05cf2225445f Germany (DE) d823427b-c5b3-4acc-a2e1-44f9e431cdb6 Sweden (SE) 4d1f1b0b-a1a8-4b10-9353-82985f57e486 Czech Republic (CZ) a436ebcb-6858-4e91-a544-76295a66beaf Bulgaria (BG) 3fd23387-967b-4388-9761-8955fca8bce3 Poland (PL) b2427607-c00a-4329-a107-c14d150320d3 Poland (PL) e989eb56-ff47-4239-98f3-b36f796831b4 Germany (DE) 25352a15-a89c-429c-a0a8-806c4e439c39 Germany (DE) afde0b89-a30b-47b7-b23b-09c6143ea6e5 Portugal (PT) 8aef2b00-f063-4756-acbb-46e9971a295e Belgium (BE) a068cb1a-c512-4bf6-ab3d-0e491507784c France (FR) 5077a1bc-4385-4ba3-89b5-eb0fb8bc9d14 Greece (GR) 1975c665-8935-4c58-9838-7105c5430cb6 Poland (PL) cd037e7d-ddcc-43fa-8ce7-dc0c1d3037b1 Hungary (HU) e72ba110-0eeb-4867-b68e-d16ad988f01a Estonia (EE) 0a5f6690-c8b4-422f-97b4-25e1f8ce2658 Finland (FI) f31b02ea-699e-4aa6-984f-9bc837bf3372 Sweden (SE) b5909528-8376-4dd7-b35e-9ac49c403ff8 Netherlands (NL) b3e714ed-4814-4636-ab0d-2826b3fb2859 Norway (NO)

**Ordering**

Order Code US and Canada	XT1HE3125AFF000XXX
EAN	8015644013479
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	1.1 kg
Package Level 1 EAN	8015644013479

### 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	1SDH001295R0008

### Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm <sup>2</sup>
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
Rated Current (I <sub>n</sub> )	125 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	1250 A
Rated Insulation Voltage (U <sub>i</sub> )	800 V
Rated Operational	690 V AC

Voltage	500 V DC
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(220 V AC) 80 kA (230 V AC) 80 kA (240 V AC) 80 kA (380 V AC) 52.5 kA (415 V AC) 37.5 kA (440 V AC) 32.5 kA (500 V AC) 25 kA (525 V AC) 17.5 kA (690 V AC) 5 kA (250 V DC) 2 Poles in Series 52.5 kA (500 V DC) 3 Poles in Series 52.5 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(220 V AC) 100 kA (230 V AC) 100 kA (240 V AC) 100 kA (380 V AC) 70 kA (415 V AC) 70 kA (440 V AC) 65 kA (500 V AC) 50 kA (525 V AC) 35 kA (690 V AC) 10 kA (250 V DC) 2 Poles in Series 70 kA (500 V DC) 3 Poles in Series 70 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	87.5...125 A
Short-Circuit Performance Level	H
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

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## Categories

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

