



PRODUCT-DETAILS

# XT1B 160 TMD 125-1250 4p F F InN=50%

## XT1B 160 TMD 125-1250 4p F F InN=50%



General Information	
Extended Product Type	XT1B 160 TMD 125-1250 4p F F InN=50%
Product ID	1SDA066819R1
EAN	8015644007263
Catalog Description	XT1B 160 TMD 125-1250 4p F F InN=50%
Long Description	C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 125-1250 A NEUTRAL = 50% PHASES

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	181894a4-69ef-4895-a66a-25dd0eef5d9d Italy (IT)
Simplified SCIP	e427db7b-10bf-4025-b7ac-81c12f5ea1c7 Germany (DE) 4de8c36f-2cbb-4e8a-a8b4-2f475f189501 Netherlands (NL) 40136458-e14e-476e-8179-7ea32264365e Poland (PL) 6613de96-0b00-4191-b40f-0f4bcc795b24 Norway (NO) 6caa81af-d20d-499e-80ef-330da21b0df5 Finland (FI) f335879b-9cd2-4125-9222-7e706babd337 Netherlands (NL) 88e3ca0a-5644-4253-9d8f-8bd9d78bfe8b Germany (DE) 5d3cd608-24bc-42fc-900c-aed277a4834a Denmark (DK) e62f2b2a-4586-4e3b-b8c1-2a6912d19409 Germany (DE) 767991c0-f474-410b-a9b2-2ce8ee3290af Croatia (HR) 6e3ccc1e-5d7f-4ff2-a751-d17da170a7c7 Czech Republic (CZ) ad3517c0-061e-4ff0-a6b2-237e948f1276 Poland (PL) 14cb9065-5ca5-4d49-b88b-1882425ce23e Netherlands (NL) 7cb4acd2-9714-4014-abee-36ab38d8da7b Netherlands (NL) ce0c3d9a-ab70-4dc4-9dec-6e585950628c Estonia (EE) 679052fd-3ccd-4ff9-9a43-70bee57b22ee Greece (GR) 98a310da-f88a-4cb6-8d20-142045dc2217 Portugal (PT) ee52d4f7-7a3b-46a5-9e3b-a4a407848a77 Bulgaria (BG) 8842217a-946c-48ee-9a1b-2e3ee9b99d2e Sweden (SE) 130ff520-5aa1-496a-8479-8755a05447c7 Poland (PL) 78ef2262-3bdc-41f4-b8b7-f303bb1aed8f France (FR) e3117c04-36cf-4309-b0aa-ad330acf7bd6 Sweden (SE) cda6b271-229e-405c-bb4f-9fa49d80f0fa Germany (DE) 3f7bb12f-3f0c-4fa1-ae78-06054dd9a486 Germany (DE) 15ccfe03-d457-4da9-9ec1-9ff6c5d4d960 France (FR) d631c483-9c97-4b94-9277-790736b5e721 Netherlands (NL) b1f65d4f-fb08-4e59-9a80-3339b41e8b98 Spain (ES)

**Ordering**

Order Code US and Canada	XT1BEN125AFF000XXX
E-Number (Finland)	3640501
EAN	8015644007263
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	1.447 kg
Package Level 1 EAN	8015644007263

### Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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	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 10.7 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I <sub>n</sub> )	125 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U <sub>r</sub> )	690 V
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 Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	87.5...125 A
Short-Circuit Performance Level	B
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)

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

