



PRODUCT-DETAILS

XT1B 160 TMD 160-1600 3p F F

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General Information	
Extended Product Type	XT1B 160 TMD 160-1600 3p F F
Product ID	1SDA066809R1
EAN	8015644694494
Catalog Description	XT1B 160 TMD 160-1600 3p F F
Long Description	C.BREAKER TMAX XT1B 160 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 - 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
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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	4ff9b03b-1cf2-4837-8d24-93dc6121834d Italy (IT)
Simplified SCIP	376db5fd-877a-4d16-90ca-1445f9cc3141 Germany (DE) 4da9f204-50cc-48b7-b553-1da097a7c855 Finland (FI) d5ace655-c799-4282-b3ae-2598d9667b08 Netherlands (NL) a6bea1a2-aa2e-4fe2-bcab-e3f7f257dee4 Germany (DE) 9675f1d6-1131-47e6-bd74-fbc792671b86 Denmark (DK) 1c694b3b-5fe7-4a27-b730-11e35f757d5e Germany (DE) d7c05fd5-cc87-4458-8302-2f636925db52 Croatia (HR) ef885e92-d9b1-45c6-8cb6-c4ad6bb41325 Czech Republic (CZ) b47804c6-d053-4df3-b4c0-7c0fa2a57582 Poland (PL) 204e69d2-52b6-4c7b-82d5-984ad6f0f7a8 Norway (NO) 6b900579-62ee-4ae6-a47c-92aae85ceef4 Poland (PL) c5f40fc3-0ccb-4d26-9c25-78659538a6eb Germany (DE) 9c041414-51e7-418a-be70-326cd293602c Germany (DE) 3d472ef2-2bb2-43b6-ada4-c165d9ff695d France (FR) 6ab977b3-e668-479a-b7d7-7aafb217dbf7 Netherlands (NL) 83fa4ab8-1066-451f-a5c6-3227f47b9f96 Spain (ES) a788f342-f7f6-4916-be29-4fee5c9d7806 Netherlands (NL) 66fc5a77-91a7-4570-9d07-534457120ddc Netherlands (NL) 8bf595ce-3c04-4fb3-a7e8-898a7663ba35 Netherlands (NL) 66a3997e-83ef-40cf-ba5f-5ec5ca01372c Estonia (EE) ad0a0ab9-ebde-471a-9cb3-0296bc863d67 Greece (GR) ad2768e5-aa41-4d1e-8d83-bd13e0d23b34 Portugal (PT) 7b0da51d-f9cc-40f1-ac31-f8b0ab9af686 Bulgaria (BG) 8c92815f-fcb1-4f59-9a66-c01580e417a2 Sweden (SE) 845a2832-1626-48c6-b53d-7f7eaa93c390 Poland (PL) d1422ba9-8bd5-4eb1-a791-d8c3f4d6901f France (FR) e29f066c-15c8-4974-954d-4bc2a7fdae4 Sweden (SE)

**Ordering**

Order Code US and Canada	XT1BE3160AFF000XXX
E-Number (Finland)	3638199
EAN	8015644694494
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	1.139 kg
Package Level 1 EAN	8015644694494

**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 15 W
Rated Current (I <sub>n</sub> )	160 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>s</sub> )	1600 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	(220 V AC) 25 kA (230 V AC) 25 kA (240 V AC) 25 kA

(I <sub>cu</sub> )	(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 <sub>u</sub> )	160 A
Rated Voltage (U <sub>r</sub> )	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	112...160 A
Short-Circuit Performance Level	B
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
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

