



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
ABB Site Meeting Group Waste To Landfill Target	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

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
Simplified SCIP	376db5fd-877a-4d16-90ca-1445f9cc3141 Germany 4da9f204-50cc-48b7-b553-1da097a7c855 Finland d5ace655-c799-4282-b3ae-2598d9667b08 Netherlands a6bea1a2-aa2e-4fe2-bcab-e3f7f257dee4 Germany 9675f1d6-1131-47e6-bd74-fbc792671b86 Denmark 1c694b3b-5fe7-4a27-b730-11e35f757d5e Germany d7c05fd5-cc87-4458-8302-2f636925db52 Croatia ef885e92-d9b1-45c6-8cb6-c4ad6bb41325 Czech Republic b47804c6-d053-4df3-b4c0-7c0fa2a57582 Poland 204e69d2-52b6-4c7b-82d5-984ad6f0f7a8 Norway 6b900579-62ee-4ae6-a47c-92aae85ceef4 Poland c5f40fc3-0ccb-4d26-9c25-78659538a6eb Germany 9c041414-51e7-418a-be70-326cd293602c Germany 3d472ef2-2bb2-43b6-ada4-c165d9ff695d France 6ab977b3-e668-479a-b7d7-7aafb217dbf7 Netherlands 83fa4ab8-1066-451f-a5c6-3227f47b9f96 Spain a788f342-f7f6-4916-be29-4fee5c9d7806 Netherlands 66fc5a77-91a7-4570-9d07-534457120ddc Netherlands 8bf595ce-3c04-4fb3-a7e8-898a7663ba35 Netherlands 66a3997e-83ef-40cf-ba5f-5ec5ca01372c Estonia ad0a0ab9-ebde-471a-9cb3-0296bc863d67 Greece ad2768e5-aa41-4d1e-8d83-bd13e0d23b34 Portugal 7b0da51d-f9cc-40f1-ac31-f8b0ab9af686 Bulgaria 8c92815f-fcb1-4f59-9a66-c01580e417a2 Sweden 845a2832-1626-48c6-b53d-7f7eaa93c390 Poland d1422ba9-8bd5-4eb1-a791-d8c3f4d6901f France e29f066c-15c8-4974-954d-4bc2a7fdaee4 Sweden

Environmental

Environmental Information	9AKK108467A6707
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Ordering

Order Code US and Canada	XT1BE3160AFF000XXX
E-Number (Finland)	3638199
E-Number (Norway)	4309610
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 /	70 mm

Length

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 ²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	3P
Opening Time	CB with SOR 30 ms CB with UVR 30 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 15 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 _i)	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) 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
Rated Voltage (U_r)	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

External Classifications and Standards

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)

Categories

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

