



PRODUCT-DETAILS

XT1B 160 TMD 100-1000 4p F F

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General Information	
Extended Product Type	XT1B 160 TMD 100-1000 4p F F
Product ID	1SDA066818R1
EAN	8015644007256
Catalog Description	XT1B 160 TMD 100-1000 4p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A

ABB EcoSolutions	
ABB EcoSolutions	Yes
Circular Design	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
Principles Recyclability Rate	
End of Life Instructions	9AKK108468A2347
Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

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	688e96d7-2d1c-4e22-b59c-50ff06516bf8 Italy (IT)
Simplified SCIP	b081d9e5-0266-467a-8f8f-906a85a12afa Germany (DE) 4be3f089-aca5-4fb8-8ca5-ca75d8b5d067 Sweden (SE) 27550f41-4161-4b3a-8225-f1e246ce2a09 Germany (DE) 6c03d9fa-a586-4041-bf40-cd77812ad7f8 Germany (DE) 90c62ad0-99e2-4cfb-a4b3-7a1d2b822175 Czech Republic (CZ) 70f88417-6d1f-4419-b8ca-cd081ff4976a Poland (PL) 9f1ba41e-13c8-4949-8f02-c3e198ca3ccb Netherlands (NL) 7f066c37-7fb1-47df-b33d-5f27effe988d Netherlands (NL) ba2a17d0-ebc2-40ef-8670-1145eb519351 Estonia (EE) 72d61050-bae5-4d72-b9f9-bd391a4a830e Greece (GR) d9334c91-3248-4e66-9b4c-3919e09712e4 Portugal (PT) dd27b78a-c66a-4eb0-b691-907a2e33f930 Norway (NO) 6bfb959-ec01-495a-a4a0-08ac8e4e3667 Finland (FI) 8186f6da-48cd-49d8-a4ec-d7d71c32770c Netherlands (NL) b3c31785-12c6-4630-83f1-b2d78d65bea1 Germany (DE) 9607cf14-ae26-4495-a29e-67cdeff195c1 Denmark (DK) b7deb7c4-4af4-4932-8db3-8f1bd014dce3 Germany (DE) d1429ebb-e55d-4293-a755-dff56a49be68 Croatia (HR) 6d10ed05-32eb-48f2-88a8-1b46926daf87 Poland (PL) 13935ad8-46e8-49d7-9e27-360bd0cbc6a4 France (FR) d9a62902-39ce-4272-bc64-dbb65a1b0e6f Netherlands (NL) c2927a9e-50d1-4415-82df-df6998b70511 Spain (ES) fea510e3-600e-4a0a-9c52-8483df25f240 Netherlands (NL) b55767a9-8b5d-4dce-b7f7-413e4c989aec Bulgaria (BG) ed811c7e-4d71-472c-8176-6c42e3067f7e Sweden (SE) 4cd65b04-2f4a-4fe8-8d5a-cb5ddd0c309d Poland (PL) 458cef3b-a92d-4b27-894c-1c5125dd37d5 France (FR)

Environmental	
Environmental Information	9AKK108467A6707

Ordering	
Order Code US and Canada	XT1BE4100AFF000XXX
E-Number (Finland)	3640500
E-Number (Norway)	4309708
EAN	8015644007256
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
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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	1.44 kg
Package Level 1 EAN	8015644007256

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	1SDH001295R0080

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	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 7 W
Rated Current (I _n)	100 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	1000 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

Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(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
	(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	70...100 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
UNSPSC	39120000
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

