



PRODUCT-DETAILS

XT1B 160 TMD 25-450 3p F F

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General Information	
Extended Product Type	XT1B 160 TMD 25-450 3p F F
Product ID	1SDA066801R1
EAN	8015644003289
Catalog Description	XT1B 160 TMD 25-450 3p F F
Long Description	C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 25-450 A

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	8acd1baa-b059-4d51-abdc-ea46defeb35e Italy (IT)
Simplified SCIP	d1aaf08d-e25f-4668-a057-4628057c8769 Germany (DE) a3cb6bff-8410-4229-8646-6cccf9434c2 Poland (PL) 9ff0f6b4-a69c-43a0-ba19-92bc124a3464 Norway (NO) 2b859db5-b8d7-4582-9f9e-a714dfb57603 Finland (FI) 2c089ba4-fd3a-4e3d-b3da-8607a803d823 Netherlands (NL) d265c6de-5560-448d-be55-8b6e38c8e47e Germany (DE) e0d795ac-e812-48bb-93ae-39c2b1fe2aa8 Denmark (DK) b9b12f17-54ef-40cc-8b89-a4e1a85e6f16 Germany (DE) c6298b97-9d9e-42ed-b595-bc5572008f7f Croatia (HR) 49905c59-d051-4933-ae8-957313e7c76b France (FR) 49a55cdf-4a0f-48db-a710-1f0b682d75da Sweden (SE) ba601371-442d-4856-91e4-aed91c4397a6 Germany (DE) 96e8b14b-e8c2-4ff3-b457-9d321b80a48c Germany (DE) f834e079-b952-4094-819d-77fa6c5c2e9f France (FR) ef2515cc-3f80-4037-9726-465563cd6237 Netherlands (NL) 755304cd-f665-4b13-9cf6-10f93e474874 Spain (ES) efe35e1a-4e77-4211-bebc-18b4ca05a992 Estonia (EE) c6675afb-be78-4a8f-9a37-e2fbbce32849 Greece (GR) f105555f-afc7-4bfc-8428-6db856df2c98 Portugal (PT) 243cc790-2e64-4328-97df-dd54d53fbc3 Bulgaria (BG) f8571fb3-a76a-45f5-b32b-a8fb8bc01539 Sweden (SE) 0f189183-bc01-4cac-acea-7637fb6a169a Poland (PL) dbf95c07-c982-4c67-8a65-b5087833b881 Netherlands (NL) f099941a-3638-4e46-bc58-30dd8b7335ab Czech Republic (CZ) 29ca709b-7996-405d-bd6d-5d766c178307 Poland (PL) 8a2dc3a6-691e-442a-b562-b5f3081e360d Netherlands (NL) ed75ce49-731b-4a2c-a2aa-48b67198a8ec Netherlands (NL)

Ordering

Order Code US and Canada	XT1BE3025AFF000XXX
E-Number (Finland)	3640497
EAN	8015644003289
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	1.126 kg
Package Level 1 EAN	8015644003289

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
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	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 2 W
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Rated Current (I _n)	25 A
Rated Frequency (f)	50 / 60 Hz
Rated Voltage (U _r)	690 V
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _i)	450 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
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	17.5...25 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	1SDH001295R0008

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

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

eClass

V11.1 : 27370409

Categories

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

