PRODUCT-DETAILS

XT1B 160 TMD 25-450 3p F F

XT1B 160 TMD 25-450 3p F F



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
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
Extended Product Lifetime	Product Modularity

© 2025 ABB. All rights reserved.

Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 55.9 %

Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Declaration	9AKK108466A1424
RoHS Information	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	8acd1baa-b059-4d51-abdc-ea46defeb35e Italy
Simplified SCIP	d1aaf08d-e25f-4668-a057-4628057c8769 Germany a3cb6bff-8410-4229-8646-6cccfa9434c2 Poland 9ff0f6b4-a69c-43a0-ba19-92bc124a3464 Norway 2b859db5-b8d7-4582-9f9e-a714dfb57603 Finland 2c089ba4-fd3a-4e3d-b3da-8607a803d823 Netherlands d265c6de-5560-448d-be55-8b6e38c8e47e Germany e0d795ac-e812-48bb-93ae-39c2b1fe2aa8 Denmark b9b12f17-54ef-40cc-8b89-a4e1a85e6f16 Germany c6298b97-9d9e-42ed-b595-bc5572008f7f Croatia 49905c59-d051-4933-aee8-957313e7c76b France 49a55cdf-4a0f-48db-a710-1f0b682d75da Sweden ba601371-442d-4856-91e4-aed91c4397a6 Germany 96e8b14b-e8c2-4ff3-b457-9d321b80a48c Germany f834e079-b952-4094-819d-77fa6c5c2e9f France ef2515cc-3f80-4037-9726-465563cd6237 Netherlands 755304cd-f665-4b13-9cf6-10f93e474874 Spain efe35e1a-4e77-4211-bebc-18b4ca05a992 Estonia c6675afb-be78-4a8f-9a37-e2fbbce32849 Greece f105555f-afc7-4bfc-8428-6db856df2c98 Portugal 243cc790-2e64-4328-97df-dd54d53fbcd3 Bulgaria f8571fb3-a76a-45f5-b32b-a8fb8bc01539 Sweden 0f189183-bc01-4cac-acea-7637fb6a169a Poland dbf95c07-c982-4c67-8a65-b5087833b881 Netherlands f099941a-3638-4e46-bc58-30dd8b7335ab Czech Republic 29ca709b-7996-405d-bd6d-5d766c178307 Poland 8a2dc3a6-691e-442a-b562-b5f3081e360d Netherlands ed75ce49-731b-4a2c-a2aa-48b67198a8ec Netherlands

Environmental

Environmental Information	9AKK108467A6707

Ordering

Order Code US and Canada	XT1BE3025AFF000XXX
E-Number (Finland)	3640497
E-Number (Norway)	4309602
EAN	8015644003289
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

© 2025 ABB. All rights reserved.

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
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 2 W
Rated Current (I_n)	25 A
Rated Frequency (f)	50 / 60 Hz
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	(220 V AC) 25 kA (230 V AC) 25 kA

© 2025 ABB. All rights reserved.

Capacity (I_{cs})	(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	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

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 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 10	EC000228 - Power circuit-breaker for trafo/generator/installation protection

© 2025 ABB. All rights reserved.

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





© 2025 ABB. All rights reserved.