



## **circuit breakers 1SDA067428R1**

URL:<https://www.sxplc.com/circuit-breakers-1sda067428r1>

## **Product data sheet**

### **Circular Value**

Circular Design Principles Recyclability Rate:

Design for Closing Resource Loops - Standard EN45555 - 55.9 %

End of Life Instructions:

[Disassembly instructions Tmax XT XT1](#)

Group Waste to Landfill Target:

UL 2799 Zero Waste To Landfill Validation available

## **Eco Transparency**

Environmental Product Declaration - EPD:

[EPD Tmax XT XT1 \(IT\)](#)

[EPD Tmax XT XT1 \(CN\)](#)

## **Environmental**

Environmental Information:

[Breakers - Packaging disposal information](#)

## **Material Compliance**

REACH Declaration:

[REACH Declaration ABB Sace circuit breakers](#)

RoHS Information:

[RoHS Declaration ABB Sace circuit breakers](#)

RoHS Status:

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Conflict Minerals Reporting Template (CMRT):

[CMRT - Conflict Minerals Reporting Template](#)

Toxic Substances Control Act - TSCA:

[Toxic Substances Control Act \(TSCA\) declaration](#)

SCIP:

0ac951c1-9b40-4f47-a751-2ab056ffe1d8 Italy (IT)

Simplified SCIP:

47481f31-3db7-43fa-90e7-510370035ce9 Germany (DE)

3d1957e6-6fff-4ac5-a4de-caa94ab5c364 France (FR)

585d169a-087c-4da7-ad22-14f7211e98a1 Netherlands (NL)

ff4fab3b-79ba-48cf-8ed4-5efe459324fa Estonia (EE)

f70a208d-8500-4b87-8e80-56eb4dcb62f2 Greece (GR)

ab874939-835a-44db-8d0f-0ae656d2b42c Portugal (PT)

3d1957e6-6fff-4ac5-a4de-caa94ab5c364 France (FR)

bd36d84d-14a0-4614-8240-3ca69ef29c39 Sweden (SE)



9be1dbef-ca32-4fe8-b574-89b5a88b48ee Germany (DE)

de6316e9-bdb1-43e5-b16d-b95b72c5dfb4 Germany (DE)

[Show more](#)

## **Ordering**

Order Code US and Canada:

XT1NE4160AFF000XXX

E-Number (Sweden):

3182447

EAN:

8015644013226

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

## 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:

1.47 kg

Package Level 1 EAN:

8015644013226

**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:

[XT1 4p FIXED F](#)

## 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:



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 ( $I_n$ ):

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) 50 kA

(230 V AC) 50 kA

(240 V AC) 50 kA

(380 V AC) 36 kA

(415 V AC) 36 kA

(440 V AC) 18 kA

(500 V AC) 15 kA

(525 V AC) 11 kA

(690 V AC) 5 kA

(250 V DC) 2 Poles in Series 36 kA

[Show more](#)

Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ):

(220 V AC) 65 kA



(230 V AC) 65 kA

(240 V AC) 65 kA

(380 V AC) 36 kA

(415 V AC) 36 kA

(440 V AC) 36 kA

(500 V AC) 30 kA

(525 V AC) 22 kA

(690 V AC) 6 kA

(250 V DC) 2 Poles in Series 36 kA

[Show more](#)

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:

N

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:

[SACE Tmax XT IEC Low voltage molded case circuit-breakers Catalog](#)

[SACE Tmax XT IEC TECHNICAL CHARACTERISTICS Low voltage molded case circuit-breakers](#)

Declaration of Conformity - CE:

[EC Declaration of Conformity Tmax XT1](#)

GL Certificate:

[1SDL000163R0103](#)

LR Certificate:

[LRs certificate Tmax XT](#)

UL Certificate:

[No certification needed](#)

VDE Certificate:

[No certification needed](#)

Dimension Diagram:

[XT1 3p-4p fixed front terminals](#)

Mechanical Drawings:

[XT1 3p-4p fixed front terminals](#)

Wiring Diagram:

[Circuit diagram for XT1, XT2, XT3 and XT4](#)

Instructions and Manuals:

[Installation instructions XT1](#)

## **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)

eClass:

V11.1 : 27370409

