

## Overview



The SITOP inrush current limiter is used to reliably reduce the starting currents that are caused, for example, by transformers or with pulse-controlled power supplies by the rectifier circuit on the input side with capacitor charging.

In 1-phase AC networks, it is supplied with rated voltages of 100 V, 120 V or 230 V and in 2-phase and 3-phase AC networks with rated voltages of 208 V to 480 V on the line side upstream of transformers or power supplies and it limits the inrush current independent of temperature, for example, up to 10 A at 230 V by means of an installed fixed resistor. In static operation, the limit resistance is bypassed after approx. 120 ms to reduce the power losses generated.

## Technical specifications

<b>Article number</b>	<b>6EP1967-2AA00</b>
<b>Input</b>	AC voltage 1-phase, 2-phase, 50/60 Hz
Rated voltage $U_{in \text{ rated}}$	100 ... 480 V AC
Voltage range	85 ... 575 V AC
<b>Output</b>	
Rated voltage $U_{out \text{ rated}}$	In accordance with the supply voltage
Rated current $I_{out \text{ rated}}$	Max. 10 A
Parallel switching for enhanced performance	No
<b>Protection and monitoring</b>	
Current limiting, static	-
Short-circuit protection	Must be ensured with an upstream protective device
<b>Signaling/alarm signals</b>	
Status display	Green LED
Alarm signals	-
<b>Safety</b>	In accordance with EN 60950-1 and EN 50178
Galvanic isolation	No
Safety class	Class II
CE marking	Yes
UL/cUL (CSA) approval	Yes, cULus-listed (UL 508, CSA C22.2 No. 107.1), File E197259
Degree of protection (EN 60529)	IP20
<b>EMC</b>	
Emitted interference	EN 61000-6-3
Noise immunity	EN 61000-6-2
<b>Operating data</b>	
Ambient temperature range	0 ... +60 °C with natural convection
Transport and storage temperature range	-40 ... +85 °C
Humidity class	Climate class 3K3 according to EN 60721, no condensation
<b>Mechanics</b>	
Connections	Input and output (L1, N): One screw terminal each for 0.2 ... 2.5 mm <sup>2</sup> , solid/finely stranded
Dimensions (W x H x D) in mm	22.5 x 80 x 91
Weight, approx.	0.12 kg
Mounting	Can be snapped onto standard mounting rail EN 60715 35x7.5/15

## Ordering data

## Article No.

## SITOP making current limiter

6EP1967-2AA00

Ballast for SITOP power supplies  
 Input:  
 100 ... 480 V AC, 10 A max  
 Output:  
 100 ... 480 V AC, 10 A max