



SITOP Imcrush current limiter

SITOP Switch on current limiter Ballast unit for SITOP Power supplies input: 100-480 V AC, 10 A max output: 100-480 V AC, 10 A max

Technical Product Detail Page

<https://i.siemens.com/1P6EP1967-2AA00>

input	
type of the power supply network	1-phase, 2-phase and 3-phase AC
supply voltage at AC	
• minimum rated value	100 V
• maximum rated value	480 V
• initial value	85 V
• full-scale value	575 V
wide range input	Yes
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
current limitation of inrush current at 25 °C maximum	10 A
duration of inrush current limiting at 25 °C	
• typical	120 ms
fuse protection type	Overload protection in case of error through non-reversible thermal fuse
fuse protection type in the feeder	Circuit breaker max. 10 A
output	
voltage curve at output	according to the supply voltage
number of outputs	1
output voltage	
• at AC rated value	100 - 480 V
• at AC	85 ... 575
output voltage adjustable	No
display version for normal operation	Green LED
output current	
• rated range	0 ... 10 A
bridging of equipment	No
efficiency	
power loss [W]	
• at rated output voltage for rated value of the output current typical	1.5 W
protection and monitoring	
property of the output short-circuit proof	No
design of short-circuit protection	must be ensured by primary miniature circuit breaker
overcurrent overload capability	
• when switching on	Switching frequency max. 1 event per minute
safety	
standard for safety	EN 60950-1
galvanic isolation between input and output	No

operating resource protection class	Class II
protection class IP	IP20
<b>EMC</b>	
standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>	EN 61000-6-3
<ul style="list-style-type: none"> <li>• for mains harmonics limitation</li> </ul>	-
<ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>	EN 61000-6-2
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• UL approval</li> </ul>	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
<ul style="list-style-type: none"> <li>• EAC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• NEC Class 2</li> </ul>	No
type of certification	
<ul style="list-style-type: none"> <li>• CB-certificate</li> </ul>	No
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No
<ul style="list-style-type: none"> <li>• ATEX</li> </ul>	No
<ul style="list-style-type: none"> <li>• ULhazloc approval</li> </ul>	No
<ul style="list-style-type: none"> <li>• FM registration</li> </ul>	No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	No
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• French marine classification society (BV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Det Norske Veritas (DNV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Lloyds Register of Shipping (LRS)</li> </ul>	No
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +60 °C; with natural convection
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
<b>connection method</b>	
type of electrical connection	screw terminal
<ul style="list-style-type: none"> <li>• at input</li> </ul>	L, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• at output</li> </ul>	L, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup>
<b>mechanical data</b>	
width × height × depth of the enclosure	22.5 × 80 × 91 mm
installation width × mounting height	22.5 mm × 180 mm
required spacing	
<ul style="list-style-type: none"> <li>• top</li> </ul>	50 mm
<ul style="list-style-type: none"> <li>• bottom</li> </ul>	50 mm
<ul style="list-style-type: none"> <li>• left</li> </ul>	0 mm
<ul style="list-style-type: none"> <li>• right</li> </ul>	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> <li>• DIN-rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• S7 rail mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	No
housing can be lined up	Yes
net weight	0.12 kg
<b>further information internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
<ul style="list-style-type: none"> <li>• to web page: power supplies</li> </ul>	<a href="https://siemens.com/sitop">https://siemens.com/sitop</a>
<ul style="list-style-type: none"> <li>• to website: CAx-Download-Manager</li> </ul>	<a href="https://siemens.com/cax">https://siemens.com/cax</a>

• to website: Industry Online Support

<https://support.industry.siemens.com>

#### additional information

other information

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

#### security information

security information

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#### Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	10	EC002540
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

#### Approvals Certificates

##### General Product Approval

[Manufacturer Declaration](#)

[Declaration of Conformity](#)



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