



SITOP INRUSH 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

Input	
Input	1-phase, 2-phase and 3-phase AC
Rated voltage value $V_{in}$ rated	100 ... 480 V
Voltage range AC	85 ... 575 V
Wide-range input	Yes
Rated line frequency 1	50 Hz
Rated line frequency 2	60 Hz
Rated line range	47 ... 63 Hz
Switch-on current limiting (+25 °C), max. duration of inrush current limiting at 25 °C	10 A
• typical	120 ms
Built-in incoming fuse	Overload protection in case of error through non-reversible thermal fuse
Protection in the mains power input (IEC 898)	Circuit breaker max. 10 A
Output	
Output	according to the supply voltage
number of outputs	1
• output voltage at AC rated value	100 - 480 V
• output voltage at AC	85 ... 575
product function output voltage adjustable	No
Status display	Green LED
Current range	0 ... 10 A
Parallel switching for enhanced performance	No
Efficiency	
Power loss at $V_{out}$ rated, $I_{out}$ rated, approx.	1.5 W
Protection and monitoring	
property of the output short-circuit proof	No
overcurrent overload capability when switching on	Switching frequency max. 1 event per minute
Safety	
standard for safety	EN 60950-1
Primary/secondary isolation	No
Protection class	Class II
Degree of protection (EN 60529)	IP20
Approvals	

CE mark	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
Explosion protection certificate of suitability NEC Class 2	-
FM approval	-
CB approval	No
Marine approval	-
<b>EMC</b>	
Emitted interference	EN 61000-6-3
Supply harmonics limitation	-
Noise immunity	EN 61000-6-2
<b>environmental conditions</b>	
ambient temperature <ul style="list-style-type: none"> <li>• during operation <ul style="list-style-type: none"> <li>— Note</li> </ul> </li> <li>• during transport</li> <li>• during storage</li> </ul>	-25 ... +60 °C with natural convection -40 ... +85 °C -40 ... +85 °C
Humidity class according to EN 60721	Climate class 3K3, 5 ... 95% no condensation
<b>Mechanics</b>	
Connection technology	screw-type terminals
Connections <ul style="list-style-type: none"> <li>• Supply input</li> <li>• Output</li> </ul>	L, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup> L, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup>
width of the enclosure	22.5 mm
height of the enclosure	80 mm
depth of the enclosure	91 mm
required spacing <ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	50 mm 50 mm 0 mm 0 mm
Weight, approx.	0.12 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

