

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.	10 A
duration of inrush current limiting at 25 °C	
• 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 Vout rated, Iout rated, approx.	1.5 W
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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	No
FM approval	-
CB approval	No
Marine approval	-

EMC

Emitted interference	EN 61000-6-3
Supply harmonics limitation	-
Noise immunity	EN 61000-6-2

environmental conditions

ambient temperature	
<ul style="list-style-type: none"> • during operation — Note • during transport • during storage 	-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

Mechanics

Connection technology	screw-type terminals
Connections	
<ul style="list-style-type: none"> • Supply input • Output 	L, N: 1 screw terminal each for 0.5 ... 2.5 mm ² L, N: 1 screw terminal each for 0.5 ... 2.5 mm ²
width of the enclosure	22.5 mm
height of the enclosure	80 mm

depth of the enclosure	91 mm
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
Weight, approx.	0.12 kg
product feature of the enclosure housing for side-by-side mounting	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)