



SITOP PSE400M/VOLTAGE RISE LIMITER

SITOP PSE400M SAB Ballast for 6EP1536-3AA00 Input: 300 to 900 V DC Output: 300 to 900 V DC

Input	
type of the power supply network	DC voltage
supply voltage	
• at DC	600 ... 600 V
input voltage	
• at DC	200 ... 900 V
input current	
• at DC at rated input voltage 600 V	0.85 A
fuse protection type	3 A/1 kV DC (internal fuse, not accessible)
• in the feeder	yes, switch-off capacity 20 kA; L/R < 2 ms ("+" and "-" input)
Output	
voltage curve at output	Corresponding to the DC input voltage
number of outputs	1
output voltage at DC rated value	600 V
output voltage	
• at output 1 at DC rated value	600 V
output current	
• rated value	0.85 A
• maximum rated value	2.8 A
• rated range	2.8 A
supplied active power typical	505 W
short-term overload current	
• on short-circuiting during the start-up typical	3 A
Efficiency	
efficiency in percent	99.5 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	1.5 W
Safety	
operating resource protection class	Class I
protection class IP	IP20
Approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	No; -
• CSA approval	No; -
• cCSAus, Class 1, Division 2	No
• ATEX	No
certificate of suitability	
• IECEx	No

• NEC Class 2	No
• ULhazloc approval	No
• FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	
• EAC approval	Yes
• C-Tick	No
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• French marine classification society (BV)	No
• DNV GL	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	No
<b>EMC</b>	
standard	
• for emitted interference	Class A (also conducted) with PSU400M
• for interference immunity	EN 61000-6-2 with PSU400M
<b>environmental conditions</b>	
ambient temperature	
• during operation	-25 ... +70 °C
• during transport	-40 ... +85 °C
• during storage	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
ambient condition relating to ambient temperature - air pressure - installation altitude	< 2000 m
<b>Mechanics</b>	
type of electrical connection	screw-type terminals
• at input	DC input, +, -, PE: 1 screw terminal each for 0.2 ... 6/4 mm <sup>2</sup> single-core/finely stranded
• at output	DC input +, -, PE: 1 screw terminal for 0.2 ... 6/4 mm <sup>2</sup> single-core/finely stranded
width of the enclosure	70 mm
height of the enclosure	125 mm
depth of the enclosure	120 mm
required spacing	
• top	50 mm
• bottom	50 mm
net weight	0.515 kg
MTBF at 40 °C	1 240 810 h



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