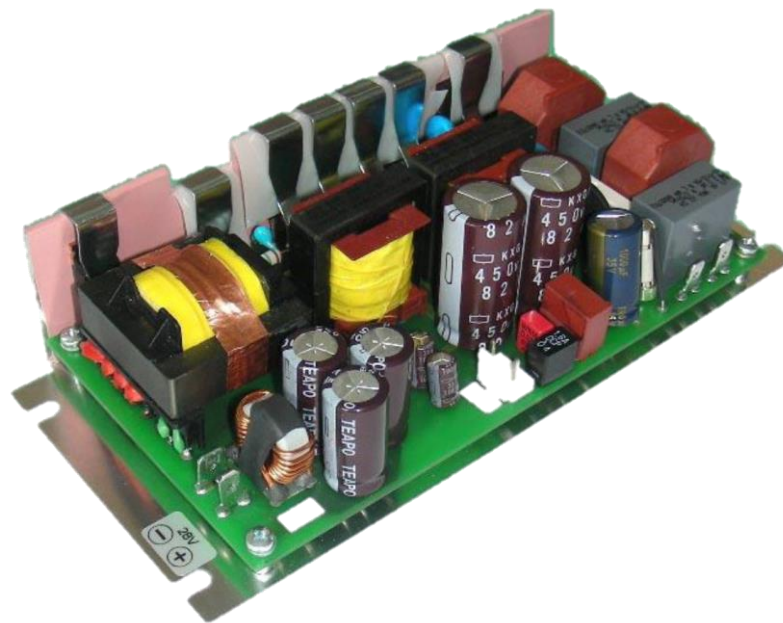


SCHIEDERWERK

Electronic Power Supply

SMPS XX/YY*) 400-0,5 M 4 U

Technical Specifications



CHARACTERISTICS

- Compact and light design
- High efficiency
- High reliability

ORDER NUMBERS

Type	Order No.	Output Power / W	Lamps
SMPS 28/4,5 400-0,5 M 4U	35 144 1000	28V / 4,5A / 126W	380V/0,6A/228W
SMPS 28/4,5 400-0,5 M 4U	35 144 1001*)	28V / 4,5A / 126W	380V/0,6A/228W
SMPS 28/4,5 400-0,8 M 4U	35 144 1600*)	28V / 4,5A / 126W	380V/0,9A/340W
SMPS 36/3,5 400-0,5 M 4U	35 144 1XXX	36V / 3,5A / 126W	380V/0,6A/228W
SMPS 24/5,2 400-0,5 M 4U	35 144 1XXX	24V / 5,2A / 126W	380V/0,6A/228W
SMPS 12/10,5 400-0,5 M 4U	35 144 1XXX	12V / 10,5A / 126W	380V/0,6A/228W

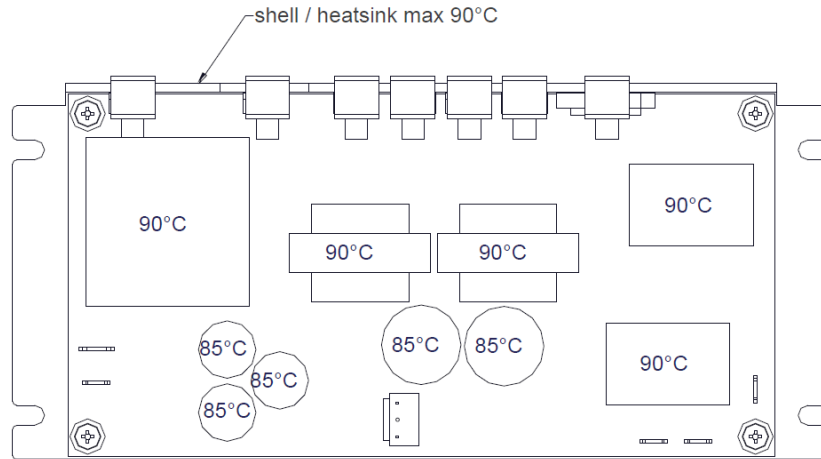
*) with coated PCB

TECHNICAL DATA

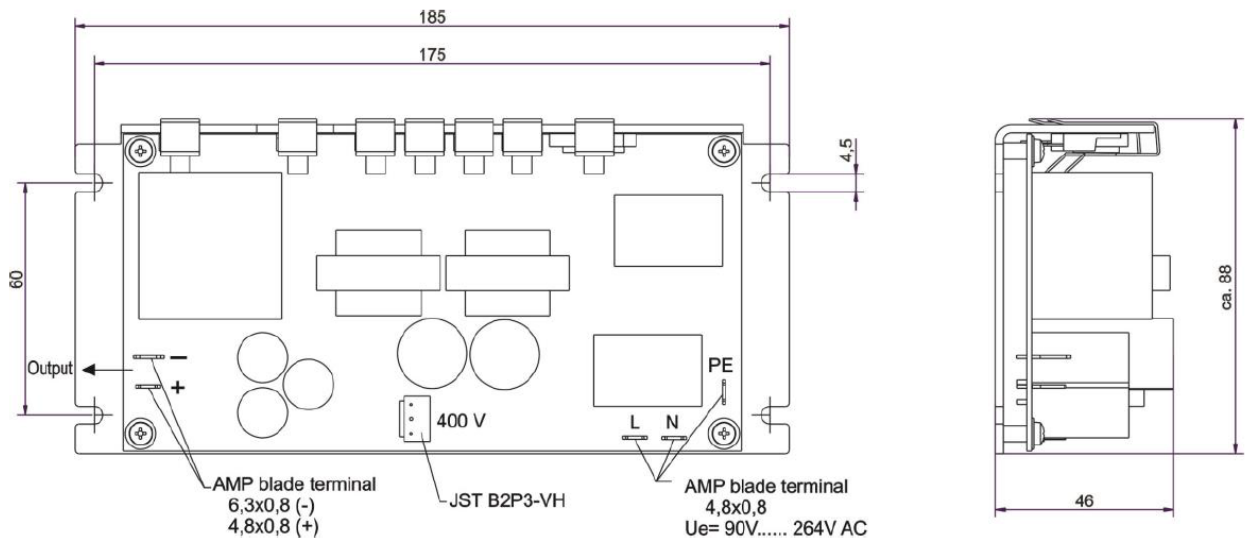
Input voltage range, nominal (AC)	100 – 240V (functional 90V – 264V)
Input current range (AC)	5,1 A – 1.8A
Inrush current (peak value)	< 35A
Hold-Up Time	10ms
Output voltage 1 / current / power (DC)	see Optionen / Options
Output voltage tolerance	+/- 3 %
Output voltage ripple	+/- 200 mV typ. (10% up to 100% load)
Output voltage 2 / current / power (DC)	See options above
Efficiency	typical 90%
Power factor	> 0,92 at nominal load within input voltage range
EMI	Internal noise filter
Earth leakage current	< 0.5mA (230 Vac mains voltage, 50Hz)
Ambient temperature	0°C ...+50°C operation (mounted at base) -5°C+60°C storage
Cooling	Forced cooling: 2m/s (please note TC-Points on next page)
Thermal shutdown, automatically	90-100°C shell- / heatsink-temperature
Dimensions in mm	l = 185 w = 88 h = 46
EMC	EN55022 class B (in mounted state)
approvals	ANSI/UL 60950-1 CAN/CSA C22.2 No. 60950-1
Input voltage range, nominal (AC)	100 – 240V (functional 90V – 264V)
Input current range (AC)	5,1 A – 1.8A
Inrush current (peak value)	< 35A
Hold-Up Time	10ms

Subject to changes without notice

Permitted maximal operation temperatures on component surfaces



CONNECTORS AND MOUNTING



ACCESSORIES

Product	Description	Order No
Cables + Connectors	JST 3-pole VH-connector with wires, red/blue, L=500mm	35 402 6070

WARNING NOTICE

A basic requirement for both installation and initial operation of the power supply assembly is the knowledge of the updated mounting and wiring instructions that are included in delivery. In case of any doubt it is imperative to contact Schiederwerk.

The power supply assembly (SMPS) has been designed to be installed in closed housings. Mounting, wiring and replacement if necessary has to be done by qualified personnel only. Due observation of the valid norms and safety regulations is mandatory when mounting and wiring the device. See that sufficient cooling is provided during operation.

The output voltage of the assembly is galvanically isolated from mains voltage. Output voltage level is within SELV range and absolutely non-hazardous in case of touching. The output is short-circuit proof.

The power supply assembly must never be used in explosive areas or close to inflammable material.

Do not expose the devices to moisture, dust or other kind of contamination because this may cause short circuits or fire in worst case.

For measurements at the power supply use an isolating transformer and carry out your work with due diligence. Measuring equipment must not be connected to Protective Earth (PE) in any way.

Schiederwerk does not assume liability for disregarding of this notice, incorrect use of the SMPS or disregarding of any legal requirements.

Last Update: 04.05.2015