SCHIEDERWERK

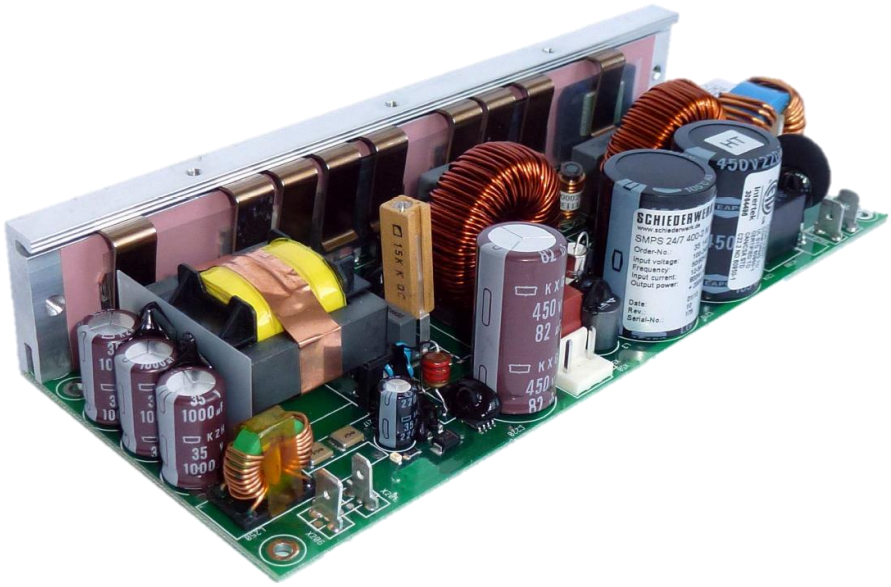
Electronic Power Supply

Power Supply SMPS XX/Y*)
400-2 M 10 U

Technical Specifications

Power Supply **100-240VAC (1000W)** **400VDC** **XX*) VDC**
200-240VAC (1600W) **400VDC** **XX*) VDC**

*) SMPS XX/Y => SMPS 24 / 7
SMPS 28 / 9
SMPS 32 / 6
SMPS 48 / 4



ORDER NUMBERS

Type	Order No.	Output Power / W	Lamps
SMPS 24/7 400-2 M 10 U	35 143 1000	1000W / 1600W ²)	400VDC; 2A 24VDC; 8,3A
SMPS 28/9 400-2 M 10 U	35 143 1010		400VDC; 2A 28VDC; 9A
SMPS 28/9 400-2 M 10 U (with coated PCBs)	35 143 1011		400VDC; 2A 28VDC; 9A
SMPS 32/6 400-2 M 10 U	35 143 1020		400VDC; 2A 32VDC; 6A
SMPS 48/4 400-2 M 10 U	35 143 1800 **)		400VDC; 2A 48VDC; 4,2A

²) Input voltage 200-240 Vac

TECHNICAL DATA

Input

Input voltage	100 - 240 VAC; 50/60Hz @ 1000W 200 - 240 VAC; 50/60Hz @ 1600W
Maximum operating range	90 – 264 VAC; 50/60Hz @ 1000W 180 – 264 VAC; 50/60Hz @ 1600W
Input current range (EN61000-3-2 Class A)	4,5 – 12A (not fused)
Inrush current (peak value)	< 40A
Power factor	>0,9
Efficiency (over rated input voltage range with full power)	≥ 91%
Hold up – time (over rated input voltage range with full power)	≥ 20ms
EMI	Internal noise filter
Insulation voltage input / output	3000V AC
Insulation voltage input / PE	1800V AC
Insulation voltage output / PE	500V DC
Ambient operating temperature	0°C …+50°C
Cooling	Forced cooling (Overtemperature protection with automatic restart after cooling down)
Approvals **)	ANSI/UL 60950-1 CAN/CSA C22.2 No. 60950-1
Weight (grams)	
Dimensions (case size) in mm (BxHxD)	210 x 45 x 85
Input voltage	100 - 240 VAC; 50/60Hz @ 1000W 200 - 240 VAC; 50/60Hz @ 1600W

Output 1 (line potential)

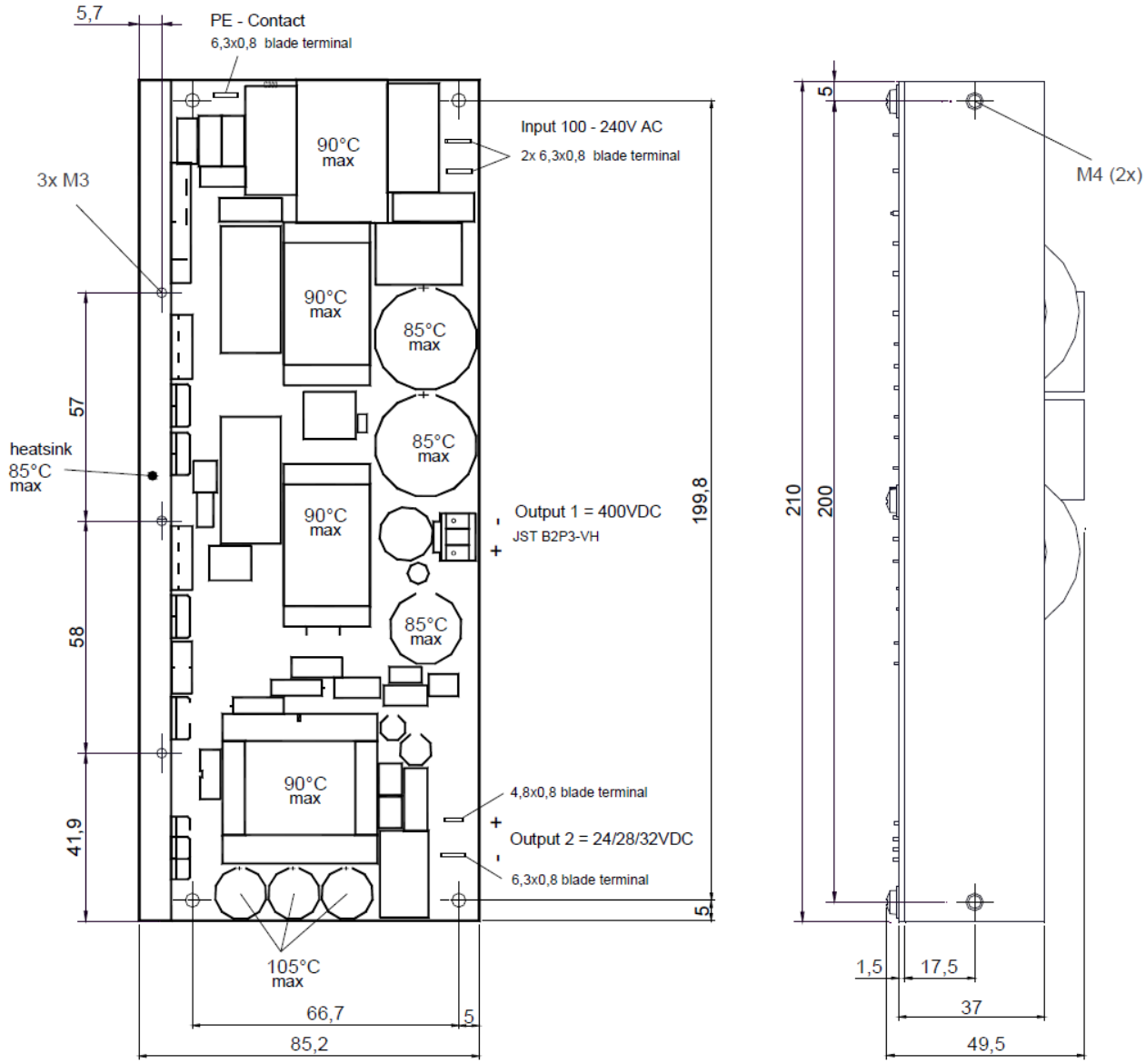
Voltage	385 VDC 400 ±10 VDC - only for device 35 143 1011
Current, max	2,2 A / 3,9 A [3]) (not fused)
Power, max	800 W / 1400 W [3])
Ripple-Voltage	20Vss

Output 2 (isolated from line potential

Voltage	24 / 28 / 32 /48 VDC
Current, nominal	8A / 9A / 6A / 4,2A
Power, nominal	200 - 250 W

[3]) Input voltage 200-240 V ***) Power Supply 35 143 1800 without approvals*
Subject to changes without notice

CONNECTORS, MOUNTING AND PERMITTED MAXIMAL OPERATION TEMPERATURES ON COMPONENT SURFACES



ACCSSORIES

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. However, short-circuits on the output side should be avoided in order to prevent sparking. Use tools or measuring equipment that is mostly insulated.

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.

Furthermore, the power supply assembly may be used outdoor under special conditions only. In case of doubt, please contact Schiederwerk.

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. This product is subject to technical changes without prior notice.

Last Update: 23.05.2016