

SBP200- 200W DIN Rail Programmable Output Voltage Power Supply



Main features

- Wide input voltage range (170-528Vac)
- Wide output voltage range (36-205Vdc)
- Digital control
- Remote ON/OFF possible
- High efficiency and compact size
- Multiple protections
- Active PFC

TECHNICAL DATA

Model type	SBP 200
OUTPUT DATA	
Rated voltage	36-205Vdc (1V resolution)
Continuous current	2.3A or $U_{out} \times I_{out} = \max. 187W$ for $U_{out} > 80V$
Overload limit	2.4A
Short circuit peak current	2.5A
Load regulation	<1%
Ripple and noise	< 600mVpp
Hold up time (U_{in} 230Vac)	> 30ms
INPUT DATA	
Rated voltage / frequency	AC: 230/400V (range 170 - 528Vac) / 47...63Hz
Rated current (U_{in} 230/400Vac)	1.4A/0.5A
Line regulation	< 0.5%
Inrush peak current	< 50A @ 400VAC
Power factor	> 0.95
Standby power	< 6W@500Vac IN and U_{out} max
External protection on AC line	MCB 6A C curve It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA	
User interface	<ul style="list-style-type: none"> • 7 segment, 3 digits display • 3 programming keys • Remote ON/OFF input (ENABLE), isolated
Protections	<ul style="list-style-type: none"> • Overload and short circuit with constant current (3s) and one shot (no auto recovery) • Thermal protection • Input undervoltage lockout • Input overvoltage protection (VDR)
Efficiency	> 87%
Dissipated power	< 28W
Operating temperature	- 20° ... +50°C
Overvoltage category	II
Pollution degree	2 (IEC 664-1)
Input / output isolation	4.2 kVdc (4s factory test, 60s type test)
Input / ground isolation	2.2 kVdc (4s factory test, 60s type test)
Input / Enable isolation	4.2 kVdc (4s factory test, 60s type test)
Output / ground isolation	0.75 kVdc (4s factory test, 60s type test)
Standards & Approvals	CE marking by Low Voltage Directive (2006/95/EC), EMC Directive (2004/108/EC)
Safety standards	IEC 60664-1, EN 60950, EN 50178
EMC Standards	Immunity: EN61000-6-1, EN61000-4-5 (level 4), EN61000-4-4 (level 3) Emission: EN12015 (Min. 5dB margin to the limits), EN61000-4-2
Protection degree	IP20 acc. to EN60529
Connection terminals	2.5mm ² , screw type pluggable (24...12 AWG)
Case material	Aluminum
Approx. weight	0.75 kg
Size (W x H x D)	80.0 x 120.0 x 112.0mm
Mounting Rail	IEC 60715/H15/TH35-7.5(-15)

Notes:

- Technical parameters are typical, measured at 25°C and 230Vac.
- Power rating, losses, efficiency, ripple, thermal behaviour may change outside of the nominal rated input range. Contact factory for details.
- Data may change without prior notice in order to improve the product.
- For detailed information please refer to the instruction manual or visit www.nextys.com

Dimensions

