

Diode Presspack stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
$I_D$	Maximum DC current	$T_{AMBIENT} = 35^{\circ}C$ ; No overload		1 185		A
$V_{AC}$	Maximum AC voltage (+/-10%)			500		$V_{AC}$
$V_{BUS}$	DC Bus voltage			670		$V_{DC}$
$P_{TOTAL}$	Maximum stack power			795		kW
$P_{LOSS}$	Stack power loss ( $T_{AMBIENT} = 35^{\circ}C$ )					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			<b>12061902.00</b>		-
Weight	Approximate total weight			58.5		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution degree	EN 50178			2		-

## SEMISTACK® CLASSICS - B6U

Three phase uncontrolled rectifier

### Preliminary Data

Ordering No. 08785111  
Description SKS 1185N B6U 795 V16 SU

### Features

- Non-isolated power stacks
- SKN 1500/16
- Heatsink P11/415
- Natural cooling
- RC circuit included
- Fuses with microswitches

### Typical Applications

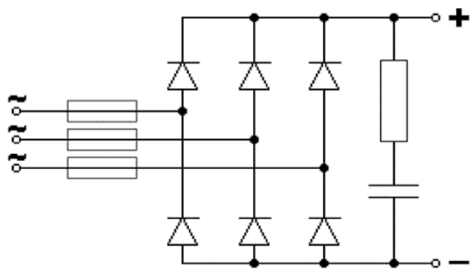
- Power supplies
- Rectifier for AC/DC motor control

### Remarks

This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee, expressed or implied, is made regarding delivery, performance or suitability.

Stack Protection						
Symbol	Conditions		min	typ	max	Unit
RC Circuit						
Type	RC in parallel with bridge rectifier			-		-
R	Resistance (80W)			33		Ohm
C				0.47		$\mu F$

Fuses						
Symbol	Conditions		min	typ	max	Unit
Fuses						
Size	1 fuse per phase, with microswitches			<b>33</b>		-
$I_{N,RMS}$	Caliber			1 250		A
$U_N$	Nominal voltage (IEC)			690		V
$I^2t$	Total at $U_N$ at room temperature (approx. 20...25°C)				1942.5	$kA^2s$



B6U

