

Diode Stud stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
$I_D$	Maximum DC current	$T_{AMBIENT} = 35^{\circ}C$ ; No overload		425		A
$V_{AC}$	Maximum AC voltage (+/-10%)			500		$V_{AC}$
$V_{BUS}$	DC Bus voltage			670		$V_{DC}$
$P_{TOTAL}$	Maximum stack power			285		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			11092016.00.A		-
Weight	Approximate total weight			13.6		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. 08785114  
Description SKS 425N B6U 285 V16

### Features

- Non-isolated power stacks
- SKN 240/16
- Heatsink P1/150
- Natural cooling
- RC circuit included

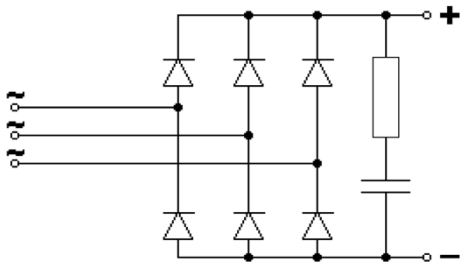
### Typical Applications

- 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			1/2 RC15B		-
R	Resistance (11W)			68		Ohm
C				0.1		$\mu F$



B6U

