



Diode Stud stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
$I_D$	Maximum DC current	$T_{AMBIENT} = 45^{\circ}C$ ; No overload		535		A
$V_{AC}$	Maximum AC voltage (+/-10%)			500		$V_{AC}$
$V_{BUS}$	DC Bus voltage			670		$V_{DC}$
$P_{TOTAL}$	Maximum stack power			360		kW
$P_{LOSS}$	Stack power loss ( $T_{AMBIENT} = 45^{\circ}C$ )					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			11091216.00.B		-
Weight	Approximate total weight			20.3		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. 08785113  
Description SKS 535N B6U 360 V16 SU

### Features

- Non-isolated power stacks
- SKN 320/16
- Heatsink P1/200
- Natural cooling
- RC circuit included
- Fuses with microswitches

### Typical Applications

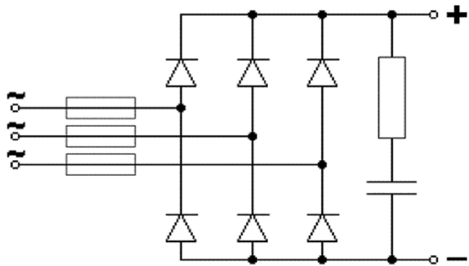
- Power supplies
- Rectifier for AC/DC motor control

### Remarks

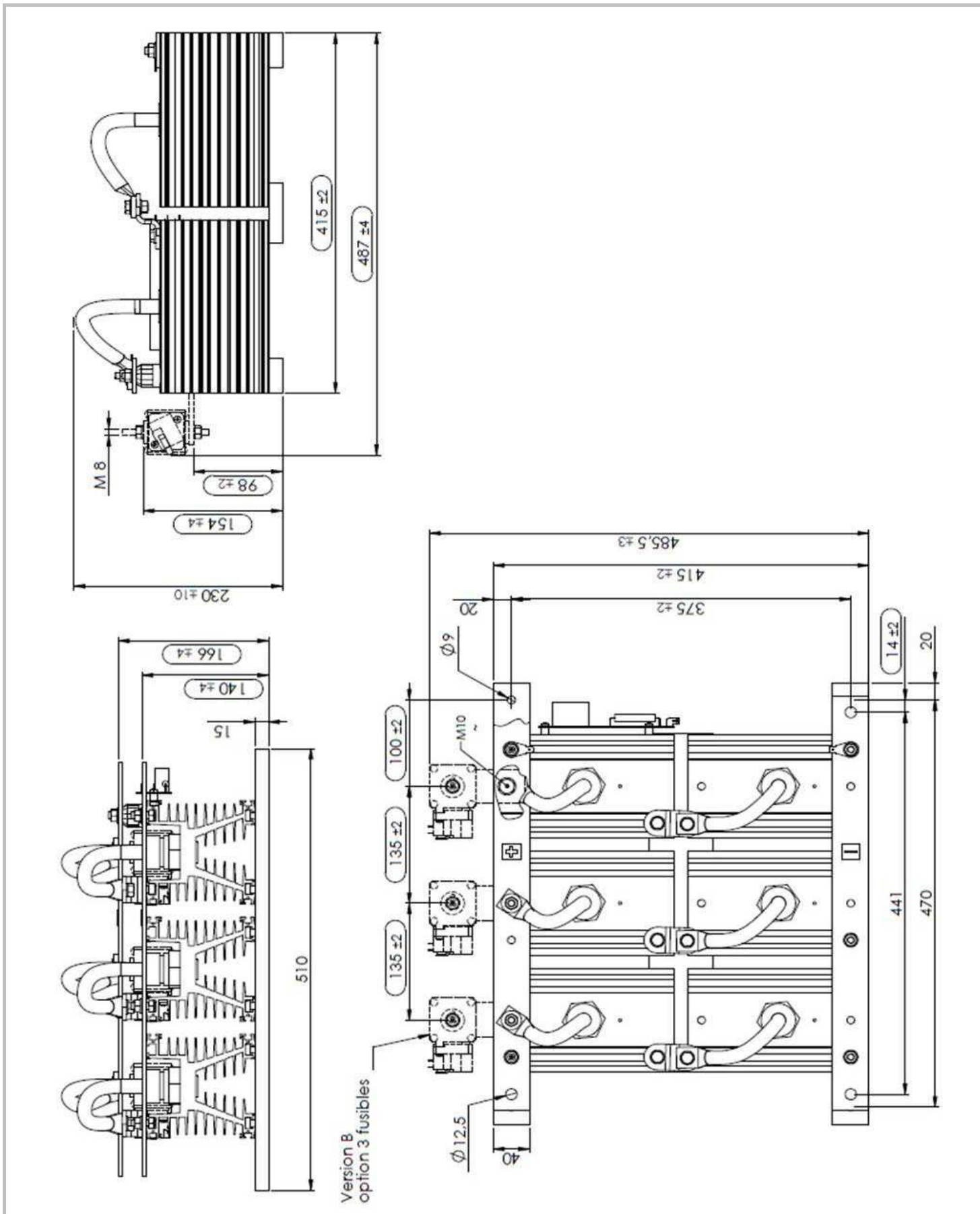
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Stack Protection						
Symbol	Conditions		min	typ	max	Unit
RC Circuit						
Type	RC in parallel with bridge rectifier			1/2 RC15B		-
R	Resistance (11W)			68		Ohm
C				0.1		$\mu F$

Fuses						
Symbol	Conditions		min	typ	max	Unit
Size	1 fuse per phase, with microswitches			31		-
$I_{N RMS}$	Caliber			700		A
$U_N$	Nominal voltage (IEC)			690		V
$I^2t$	Total at $U_N$ at room temperature (approx. 20...25°C)				514.5	$kA^2s$



B6U



Dimensions

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