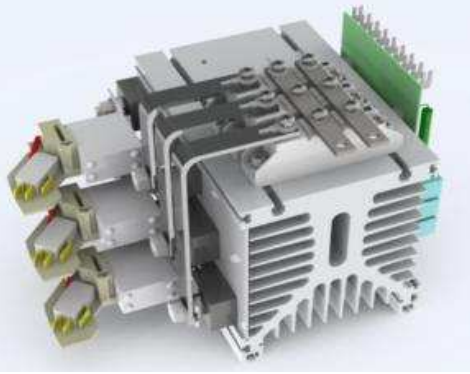


# SKS 88N B6C 60 V16 SU



Thyristor Module stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
$I_D$	Maximum DC current	$T_{AMBIENT} = 45^\circ\text{C}$ ; No overload		88		A
$V_{AC}$	Maximum AC voltage (+/-10%)			500		$V_{AC}$
$V_{BUS}$	DC Bus voltage			670		$V_{DC}$
$P_{TOTAL}$	Maximum stack power			60		kW
$P_{LOSS}$	Stack power loss ( $T_{AMBIENT} = 45^\circ\text{C}$ )					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			12100932.00.A		-
Weight	Approximate total weight			4.67		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution Degree	EN 50178			2		-

## SEMISTACK® CLASSICS - B6C

Three phase controlled rectifier

### Preliminary Data

Ordering No. 08785031  
Description SKS 88N B6C 60 V16 SU

### Features

- Isolated power stacks
- SKKT 106/16
- Heatsink P3/180
- Natural cooling
- RC circuit included
- Fuses with microswitches

### Typical Applications

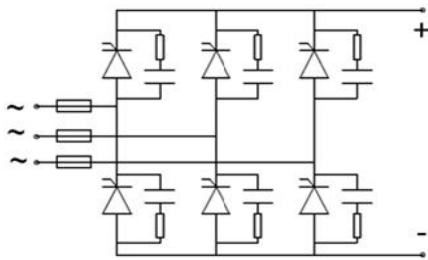
- Regulated power supplies
- Alternator excitation
- Motor control

### Remarks

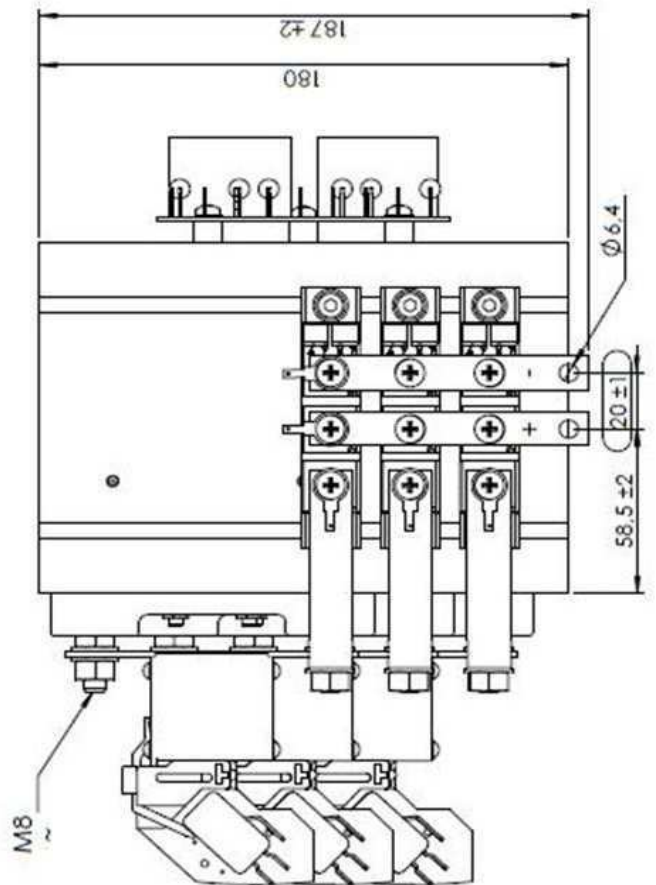
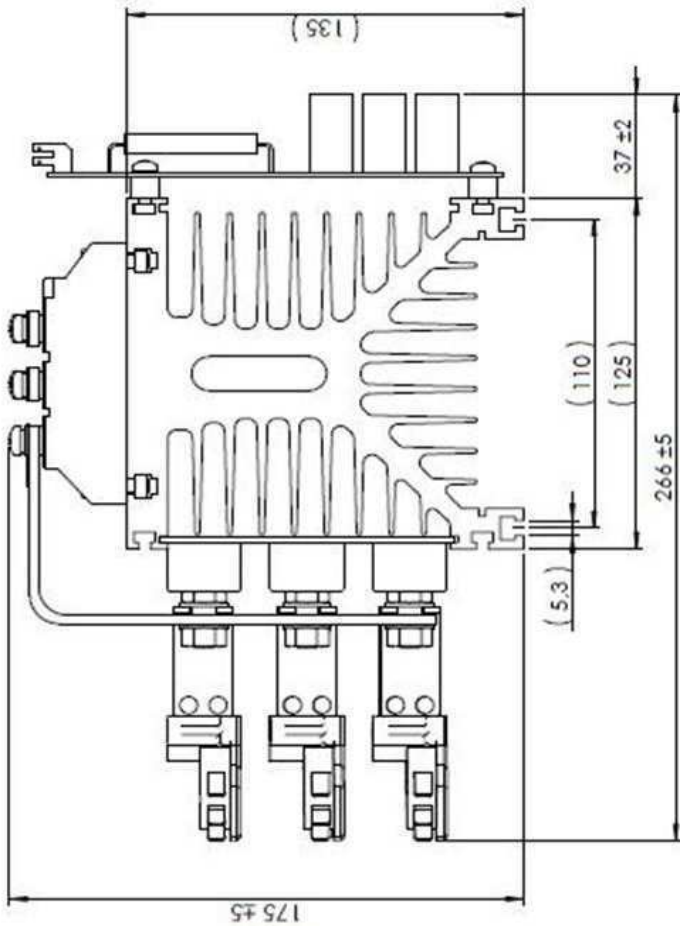
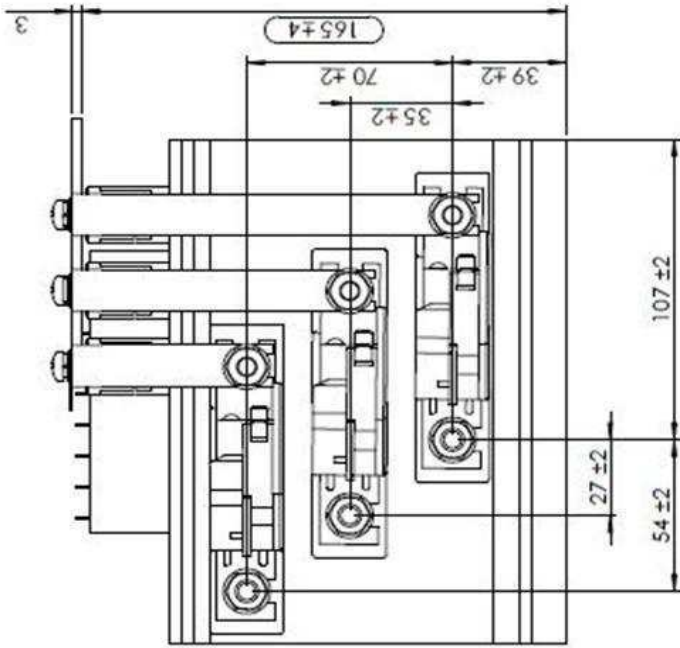
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Stack Protection						
Symbol	Conditions		min	typ	max	Unit
RC Circuit						
Type	RC in parallel with each electrical switch			RC32		-
R	Resistance (11W)			100		Ohm
C				0.1		$\mu\text{F}$

Fuses						
Symbol	Conditions		min	typ	max	Unit
Fuses						
Size	1 fuse per phase, with microswitches			000		-
$I_{N\text{RMS}}$	Caliber			160		A
$U_N$	Nominal voltage (IEC)			690		V
$I^2t$	Total at $U_N$ at room temperature (approx. 20...25°C)				17.44	$\text{kA}^2\text{s}$



B6C



Dimensions

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