



Thyristor/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		1 500		A
$V_{AC}$	Maximum AC voltage (+/-10%)			500		$V_{AC}$
$V_{BUS}$	DC Bus voltage			670		$V_{DC}$
$P_{TOTAL}$	Maximum stack power			1 010		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			12100422.00.B		-
Weight	Approximate total weight			49.0		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution degree	EN 50178			2		-

Fan Data						
Symbol	Conditions		min	typ	max	Unit
Type	SEMIKRON fan designation			SKF 17A-230-11		-
$V_{FAN}$	Fan voltage			230		$V_{AC}$
$f_{FAN}$	Fan frequency			50/60		Hz
$I_{FAN}$	Fan maximum input current			0.36/0.51		A
$P_{FAN}$	Fan power			81/115		W

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

Fuses						
Symbol	Conditions		min	typ	max	Unit
Size	1 fuse per phase, with microswitches			33		-
$I_{N RMS}$	Caliber			1 600		A
$U_N$	Nominal voltage (IEC)			600		V
$I^2t$	Total at $U_N$ at room temperature (approx. 20...25°C)				2 900	$kA^2s$

Bimetal Thermal Trip						
Symbol	Conditions		min	typ	max	Unit
$T_S$	Switching temperature over which thermal trip is open			100		$^{\circ}C$
$I_{TC MAX}$	Maximum permissible current			1		A
				3		A

## SEMISTACK® CLASSICS - B6HK

Three phase half-controlled rectifier

### Preliminary Data

Ordering No. 08800492  
Description SKS 1500F B6HK 1010 V16 SU

### Features

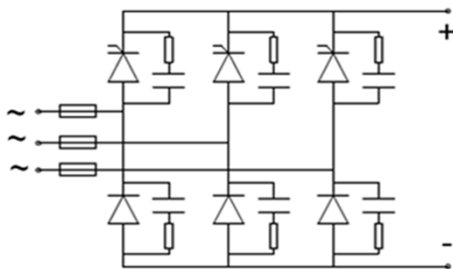
- Non-isolated power stacks
- SKN 2000/16 / SKT 1200/16
- Heatsink P17/130
- Forced air cooling
- RC circuit included
- Fuses with microswitches
- Thermal trip included

### Typical Applications

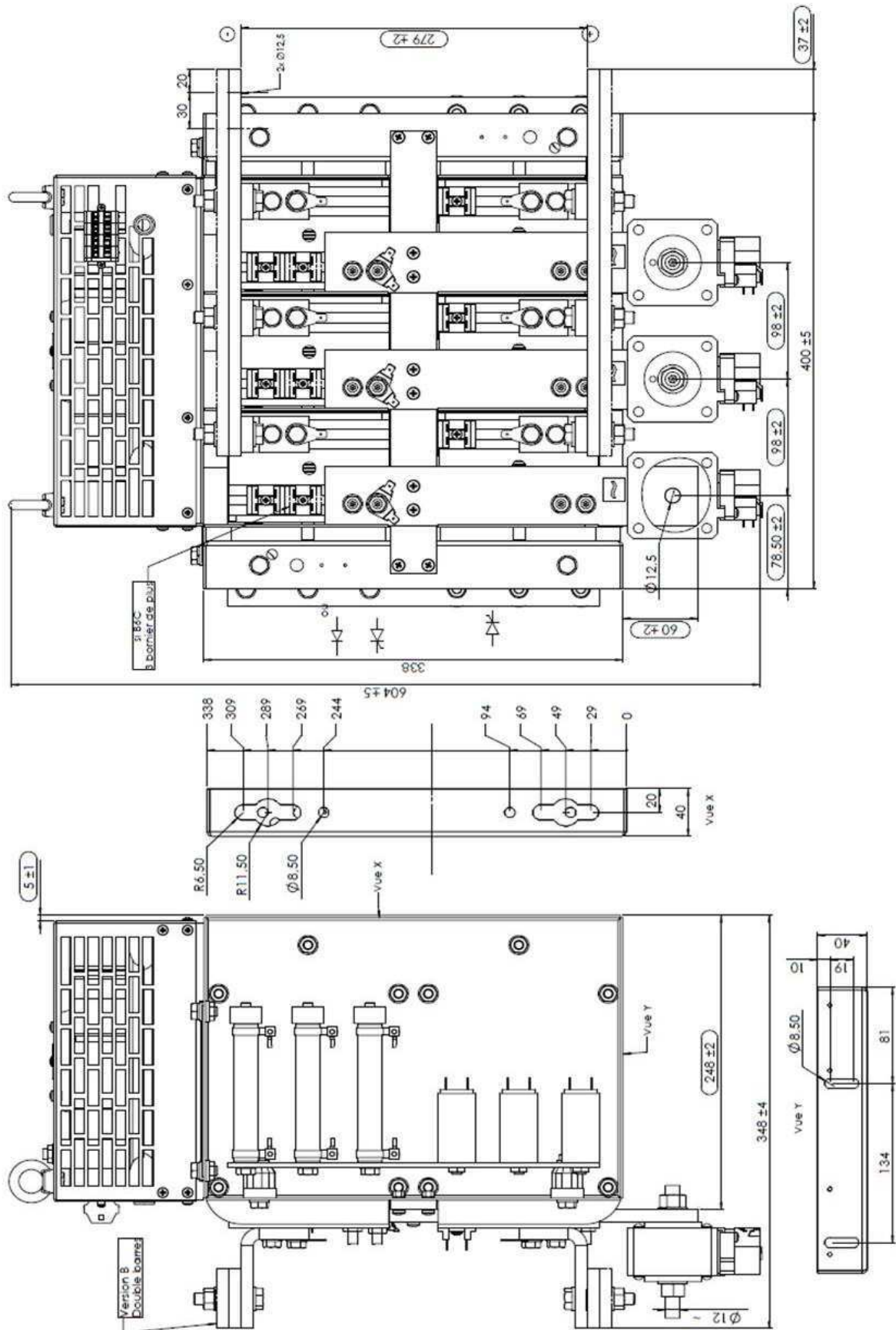
- Soft charge
- Industrial heating

### Remarks

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B6HK



Dimensions

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