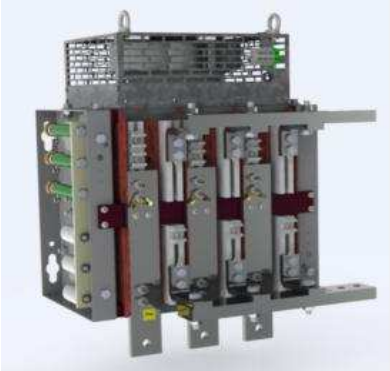


SKS 1500F B6C 1010 V16



Thyristor 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			12100412.01.B		-
Weight	Approximate total weight			50.3		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution Degree	EN 50178			2		-

Fan Data						
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		μF

Bimetal Thermal Trip						
T_S	Switching temperature over which thermal trip is open			100		$^{\circ}C$
$I_{TC MAX}$	Maximum permissible current			1		A
	at 240VAC			3		A
		at 30Vdc				

SEMISTACK® CLASSICS - B6C

Three phase controlled rectifier

Preliminary Data

Ordering No. 08785004
Description SKS 1500F B6C 1010 V16

Features

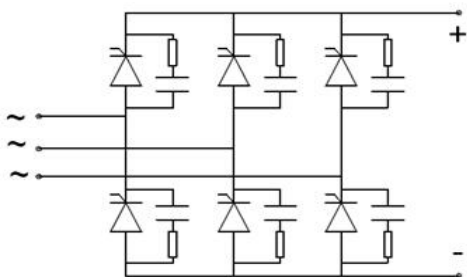
- Non-isolated power stacks
- SKT 1200/16
- Heatsink P17/130
- Forced air cooling
- RC circuit included
- Thermal trip included

Typical Applications

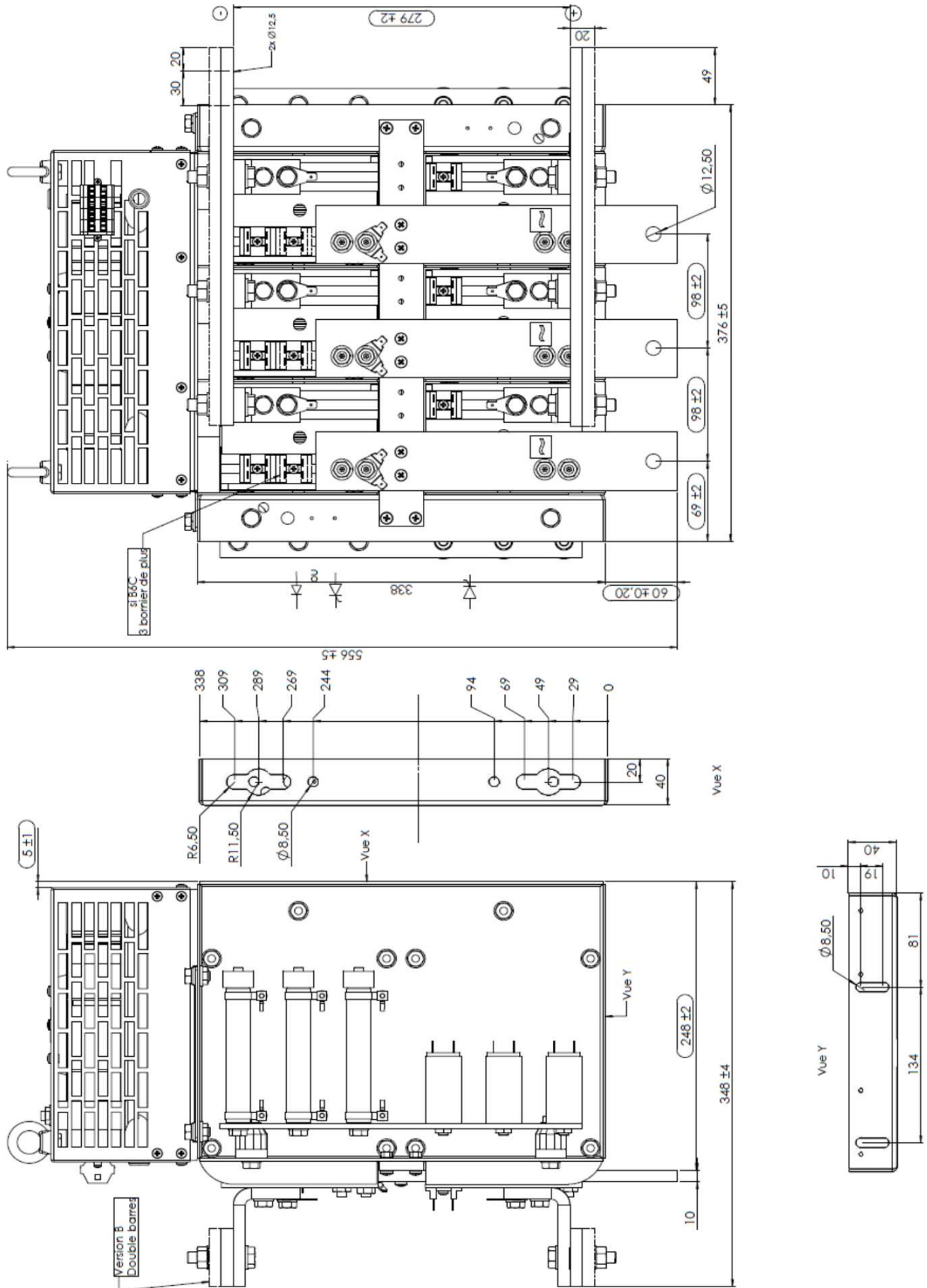
- Regulated power supplies
- Alternator excitation
- Motor control

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.



B6C



Dimensions

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