SKS 2580F B6C 1730 V16

Thyristor Presspack stack

SEMISTACK® CLASSICS - B6C
Three phase controlled rectifier

Preliminary Data

Ordering No. 08785000
Description SKS 2580F B6C 1730 V16

Features

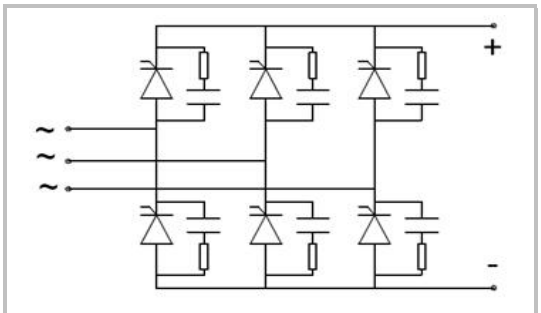
- Non-isolated power stacks
- SKT 1200/16
- Heatsink N4/250
- Forced air cooling
- RC circuit included
- Thermal trip included

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

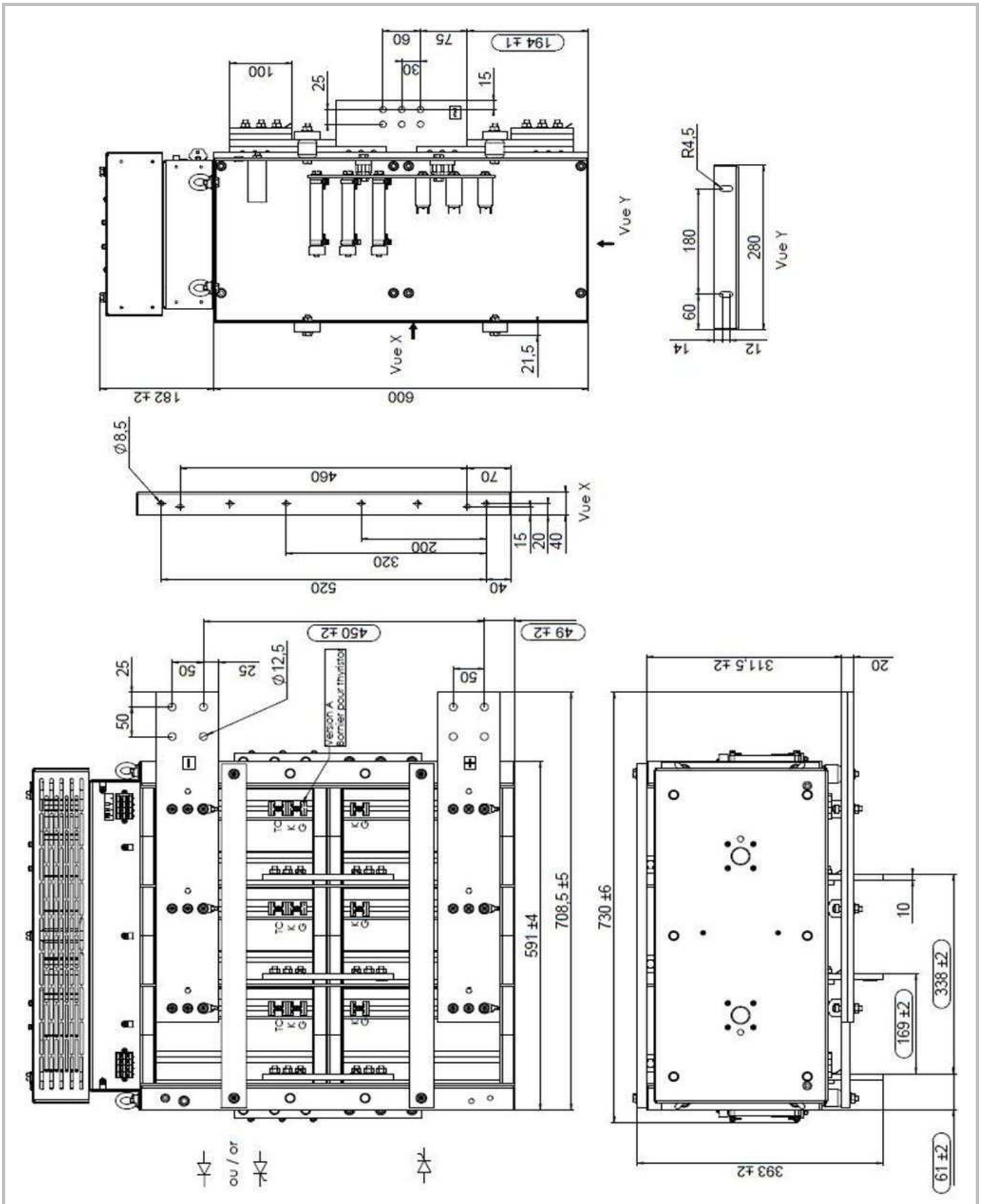
Electrical Characteristics						
Symbol	**Conditions**		**min**	**typ**	**max**	**Unit**
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT}$ = 35°C ; No overload		2 580		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			1 730		kW
P_{LOSS}	Stack power loss ($T_{AMBIENT}$ = 35°C)					W

Environnmental Data					
Symbol	**Conditions**	**min**	**typ**	**max**	**Unit**
Mechanical Data					
Drawing	SEMIKRON document number.revision.version		**93041500.01.A**		-
Weight	Approximate total weight		143.1		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 N4-230-01**		-
V_{FAN}	Fan voltage		230		V_{AC}
f_{FAN}	Fan frequency		50/60		Hz
I_{FAN}	Fan maximum input current		0.69/0.98		A
P_{FAN}	Fan power		155/230		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			80		°C
$I_{TC\ MAX}$	Maximum permissible current	at 240VAC		1		A
		at 30VDC		3		A



Dimensions

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