



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.

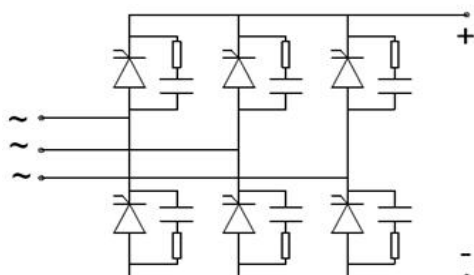
Electrical Characteristics							
Symbol	Conditions			min	typ	max	Unit
Electrical Data							
I _D	Maximum DC current	T _{AMBIENT} = 35°C ; No overload		2 580			A
V _{AC}	Maximum AC voltage (+/-10%)			500			V _{AC}
V _{BUS}	DC Bus voltage			670			V _{DC}
P _{TOTAL}	Maximum stack power			1 730			kW
P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

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version		93041500.02.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			-

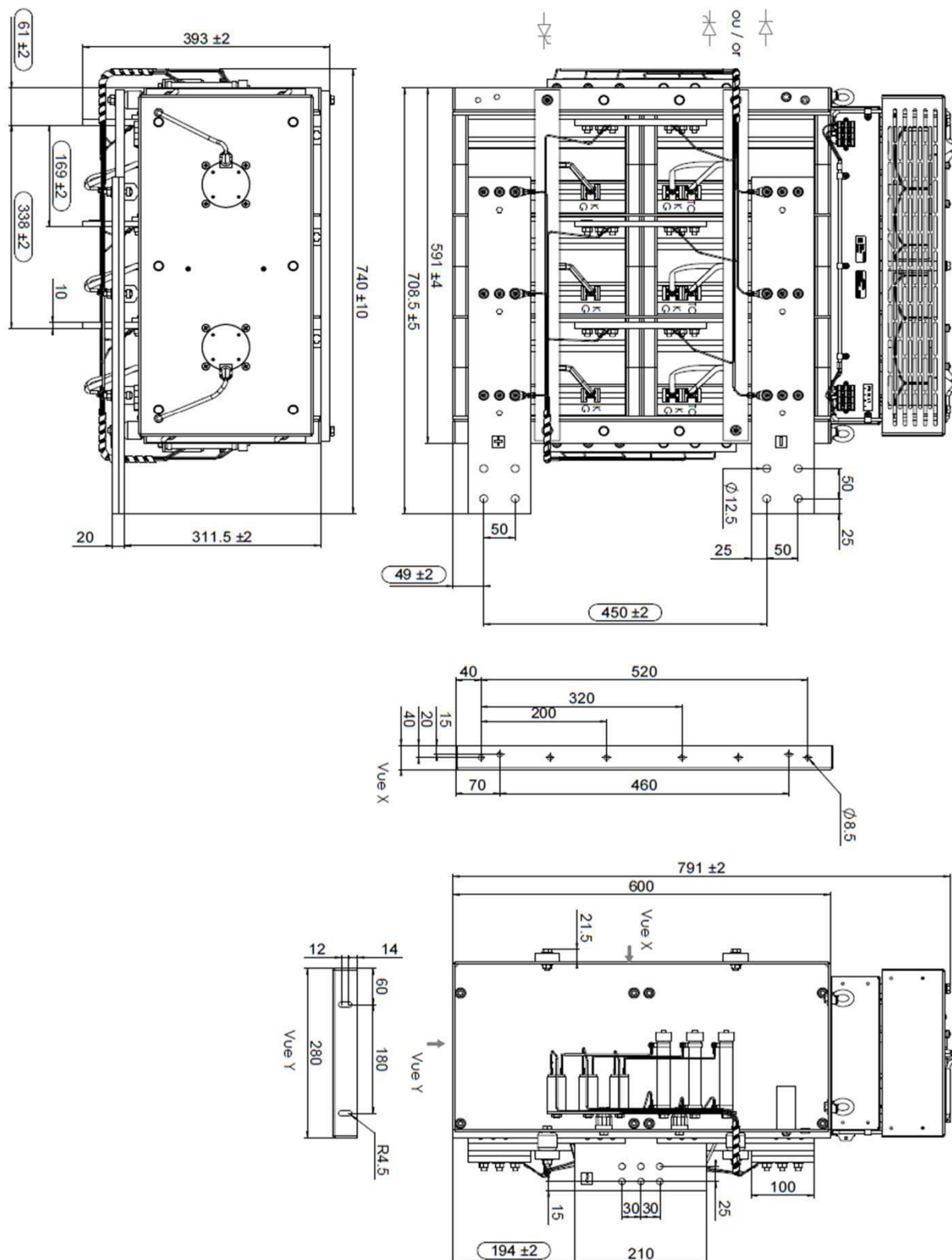
Fan Data			
Type	SEMIKRON fan designation	SKF N4-230-03	-
V _{FAN}	Fan voltage	230	V _{AC}
f _{FAN}	Fan frequency	50/60	Hz
I _{FAN}	Fan maximum input current	1.1/1.71	A
P _{FAN}	Fan power	250/390	W

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		uF	

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



B6C



Dimensions

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