



Diode Presspack stack

SEMISTACK® CLASSICS - B6U

Three phase uncontrolled rectifier

Preliminary data

Ordering No. 08785100
Description SKS 4015F B6U 2690 V16

Features

- Non isolated power stacks
- AR2004 (SKN 2000)
- Heatsink N4/250
- Forced Air cooling
- RC circuit included
- Thermal trip included

Typical Applications

- Power supplies
- Rectifier for AC/DC 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 _{amb} = 35°C ; No overload		4 015		A
V _{AC}	Maximum AC Voltage (+/-10%)			500		V _{AC}
V _{BUS}	DC Bus voltage			670		V _{DC}
P _{TOTAL}	Maximum stack power			2 690		kW
P _{LOSS}	Stack power loss (T _{AMBIENT} = 35°C)					W

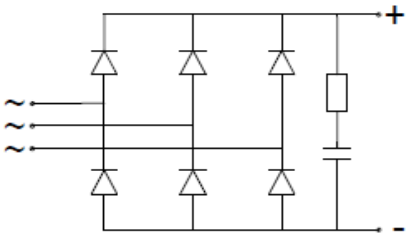
Environmental Data					
Symbol	Conditions	min	typ	max	Unit
Mechanical Data					
Drawing	SEMIKRON document number.revision.version	11110936.03.			-
Weight	Approximative total weight	143,7			kg
Altitude	Installation altitude without derating	1 000			m
Protection	IEC 60529	IP00			-
Pollution degree	EN 50178	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

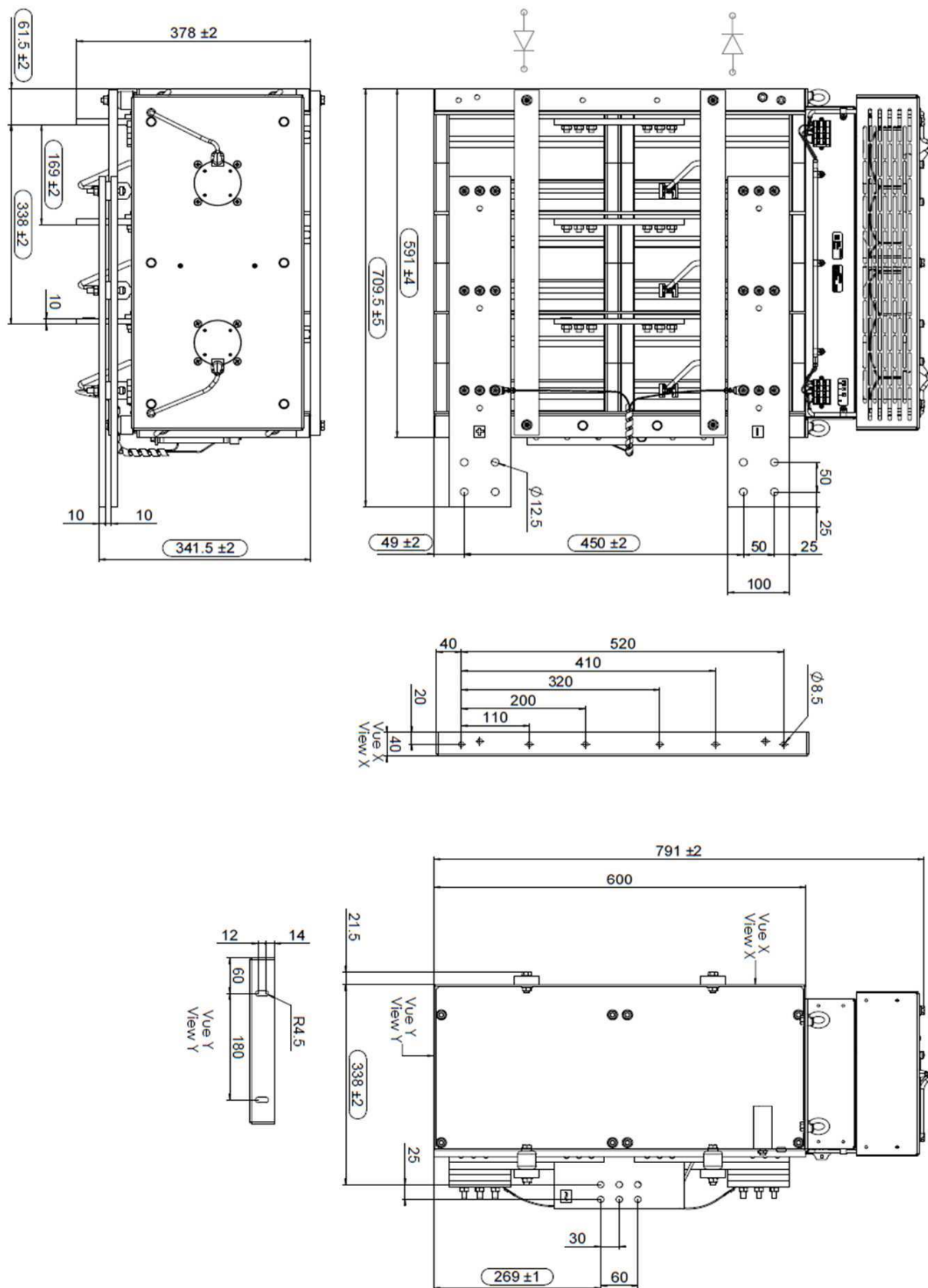
Stack protection					
Symbol	Conditions	min	typ	max	Unit
RC circuit					
Type	RC in parallel with bridge rectifier	-			-
R	Resistance (80W)	33			Ohm
C		0.47			μF

Fuses			
Size	No Fuses	-	-
I _{N RMS}	Caliber	-	A
U _N	Nominal Voltage (IEC)	-	V
I ² t	Total at Un at room temperature (approx. 20...25°C)	-	kA²s

Bimetal thermal trip			
T _S	Switching temperature over which thermal trip is open		110 °C
I _{TC MAX}	Maximum permissible current at 240VAc		1 A
	at 30Vdc		3 A



B6U



Dimensions

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