

Diode Presspack stack

SEMISTACK® CLASSICS - B6U

Three phase uncontrolled rectifier

Preliminary Data

Ordering No. 08785102
Description SKS 2300F B6U 1540 V16

Features

- Non-isolated power stacks
- SKN 1500/16
- Heatsink P18/180
- 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.

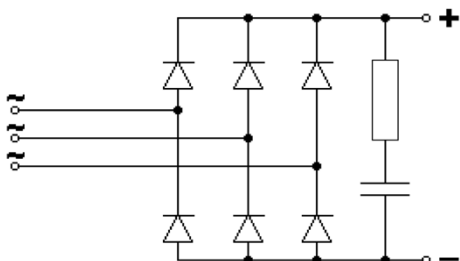
Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT} = 35^\circ\text{C}$; No overload		2 300		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			1 540		kW
P_{LOSS}	Stack power loss ($T_{AMBIENT} = 35^\circ\text{C}$)					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			12030212.01		-
Weight	Approximate total weight			85.6		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution degree	EN 50178			2		-

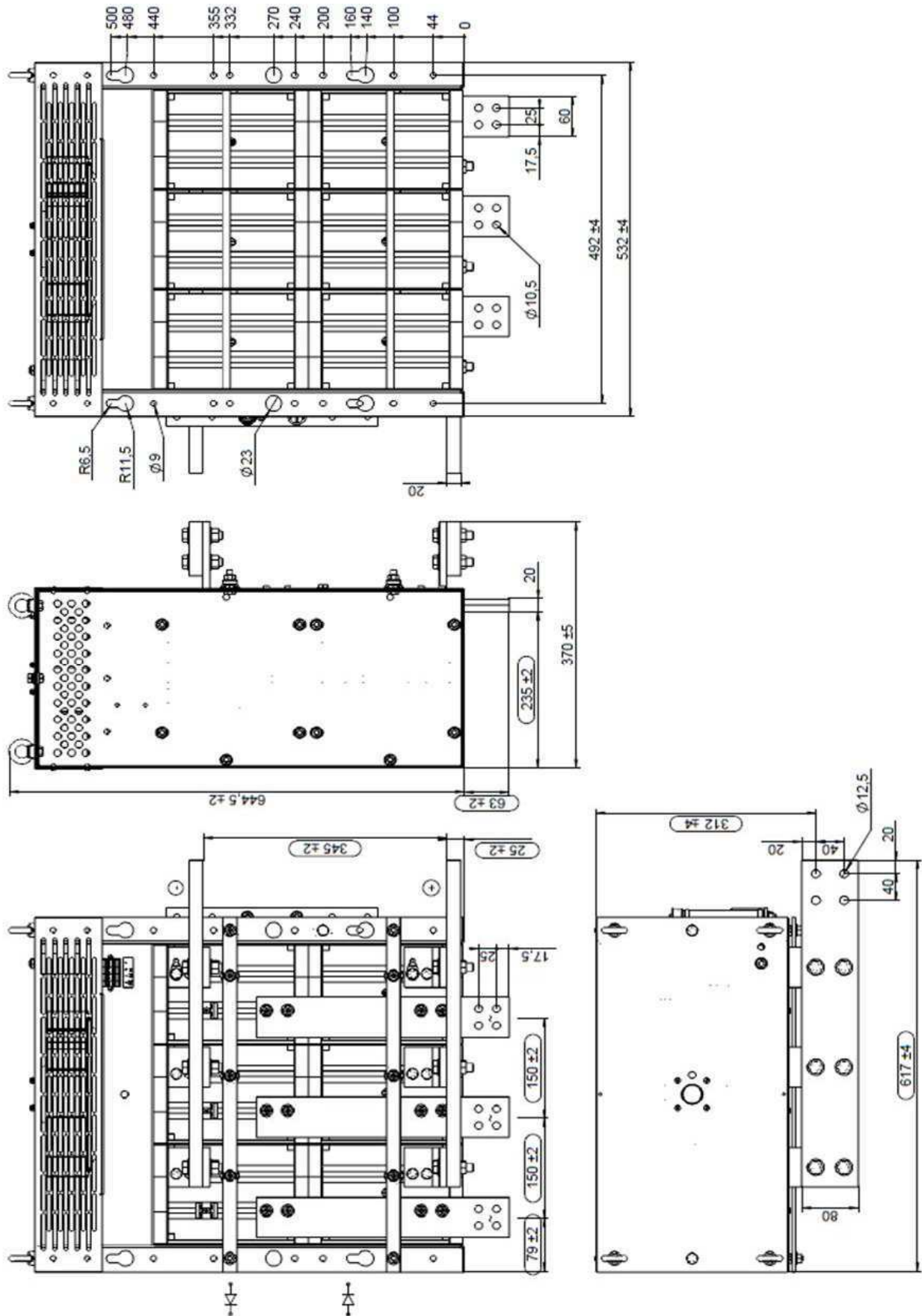
Fan Data						
Type	SEMIKRON fan designation		min	typ	max	Unit
Type	SEMIKRON fan designation			SKF N4-230-03		-
V_{FAN}	Fan voltage			230		V_{AC}
f_{FAN}	Fan frequency			50/60		Hz
I_{FAN}	Fan maximum input current			1.1/1.71		A
P_{FAN}	Fan power			250/390		W

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

Bimetal Thermal Trip						
Symbol	Conditions		min	typ	max	Unit
T_S	Switching temperature over which thermal trip is open			110		$^\circ\text{C}$
$I_{TC\ MAX}$	Maximum permissible current			1		A
	at 30Vdc			3		A



B6U



Dimensions

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