



Diode Presspack stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT} = 35^{\circ}C$; No overload		1 950		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			1 305		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			12061102.00		-
Weight	Approximate total weight			50.9		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 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 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			135		$^{\circ}C$
$I_{TC MAX}$	Maximum permissible current			1		A
	at 240VAC			3		A
	at 30Vdc					A

SEMISTACK® CLASSICS - B6U

Three phase uncontrolled rectifier

Preliminary data

Ordering No. 08785104
Description SKS 1950F B6U 1305 V16

Features

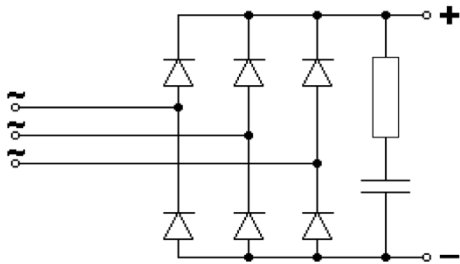
- Non-isolated power stacks
- SKN 1500/16
- Heatsink P17/130
- Forced air cooling
- RC circuit included
- Thermal trip included

Typical Applications

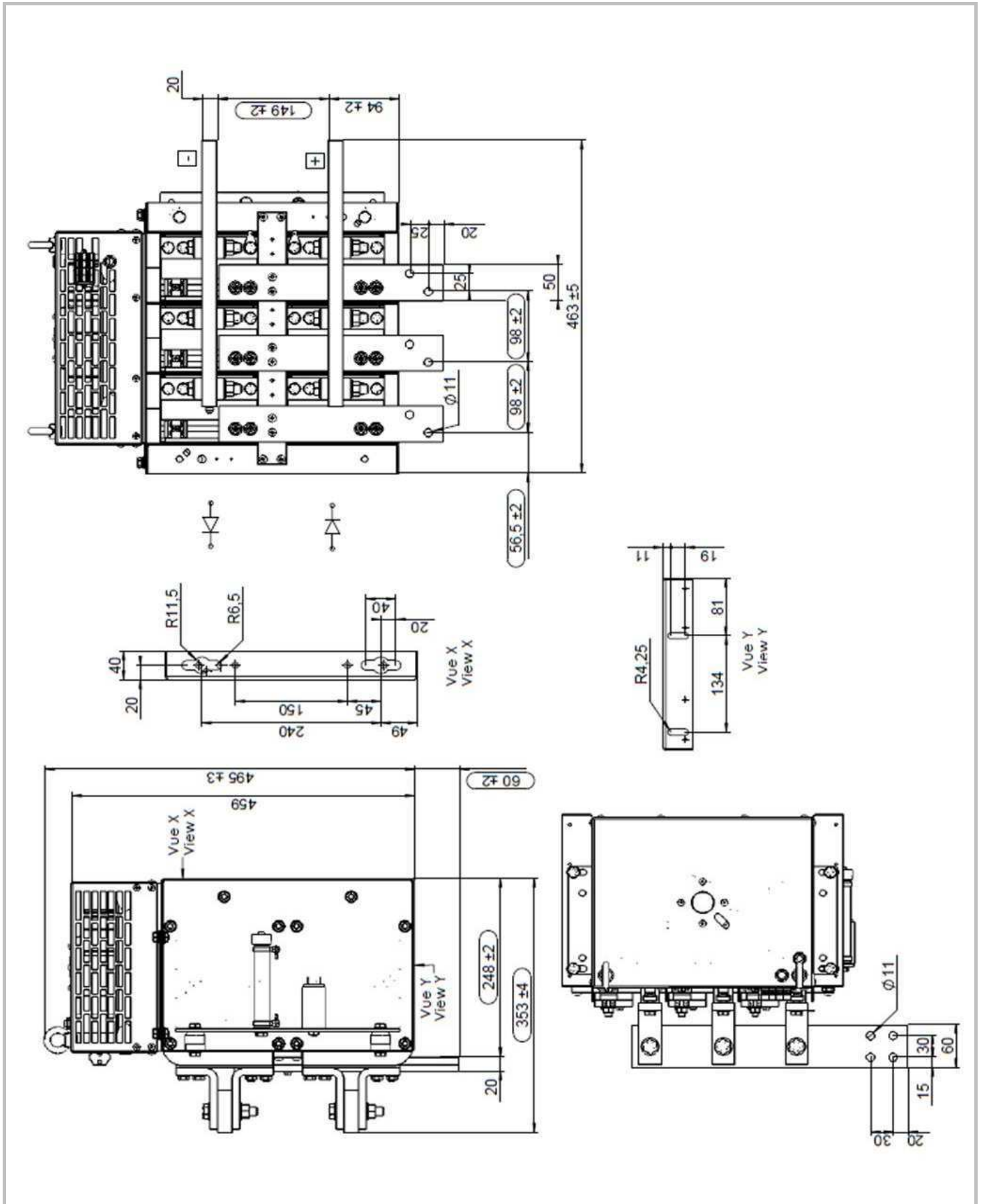
- Power supplies
- Rectifier for AC/DC motor control

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.



B6U



Dimensions

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