

Thyristor/Diode Presspack stack

SEMISTACK® CLASSICS - B6HK

Three phase half-controlled rectifier

Preliminary Data

Ordering No. 08800489
Description SKS 1890F B6HK 1270 V16

Features

- Non-isolated power stacks
- SKN 1500/16 / SKT 1200/16
- Heatsink P18/180
- Forced air cooling
- RC circuit included
- Thermal trip included

Typical Applications

- Soft charge
- Industrial heating

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.

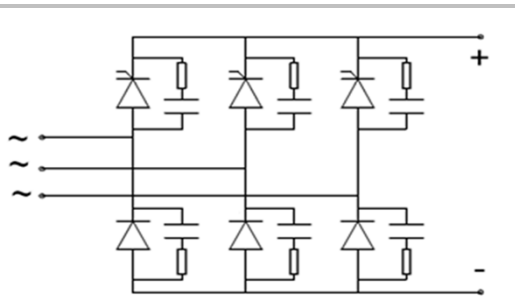
Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT} = 35^\circ\text{C}$; No overload		1 890		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			1 265		kW
P_{LOSS}	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			93040101.03.B		-
Weight	Approximate total weight			73.3		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution degree	EN 50178			2		-

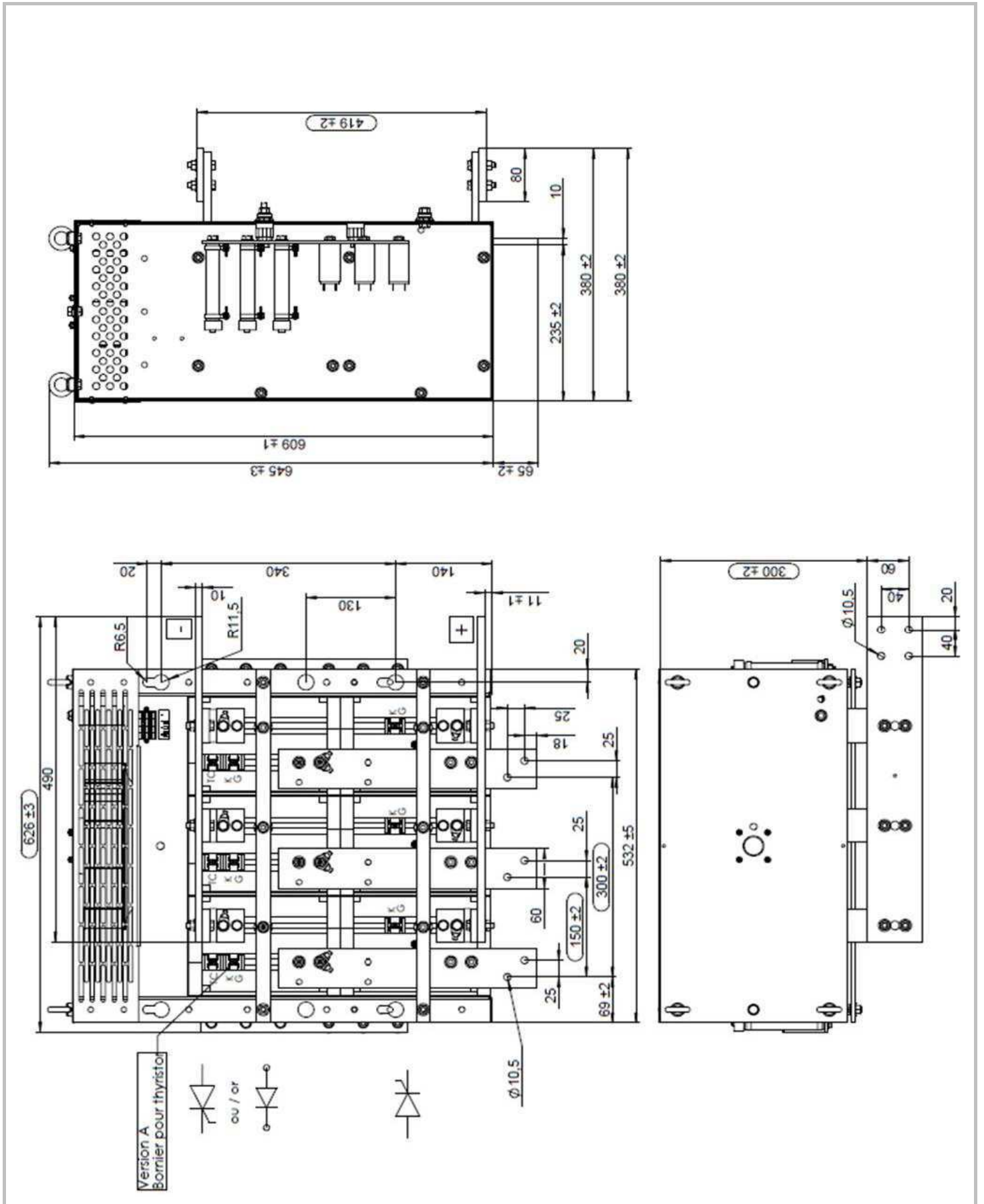
Fan Data						
Type	SEMIKRON fan designation			SKF N4-230-03		-
V_{FAN}	Fan voltage			230		V_{AC}
f_{FAN}	Fan frequency			50/60		Hz
I_{FAN}	Fan maximum input current			1.1/1.71		A
P_{FAN}	Fan power			250/390		W

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		μF

Bimetal Thermal Trip						
T_S	Switching temperature over which thermal trip is open			95		$^\circ\text{C}$
$I_{TC\ MAX}$	Maximum permissible current			1		A
	at 30Vdc			3		A



B6HK



Dimensions

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