

Thyristor/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		1 890		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 ($T_{AMBIENT} = 35^{\circ}C$)					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						
Symbol	Conditions		min	typ	max	Unit
Type	SEMIKRON fan designation			SKF N4-230-01		-
V_{FAN}	Fan voltage			230		V_{AC}
f_{FAN}	Fan frequency			50/60		Hz
I_{FAN}	Fan maximum input current			0.69/0.98		A
P_{FAN}	Fan power			155/230		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						
Symbol	Conditions		min	typ	max	Unit
T_S	Switching temperature over which thermal trip is open			95		$^{\circ}C$
$I_{TC MAX}$	Maximum permissible current			1		A
	at 240VAC			3		A
	at 30Vdc					

SEMISTACK® CLASSICS - B6HK

Three phase half-controlled rectifier

Preliminary Data

Ordering No. 08800489
Description SKS 1890F B6HK 1270 V16

Features

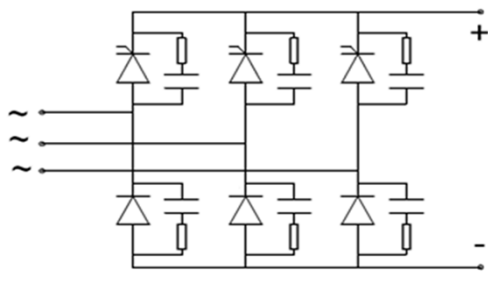
- Non-isolated power stacks
- SKN 1500/16 / SKT 1200/16
- Heatsink P18/180
- Forced air cooling
- RC circuit included
- Thermal trip included

Typical Applications

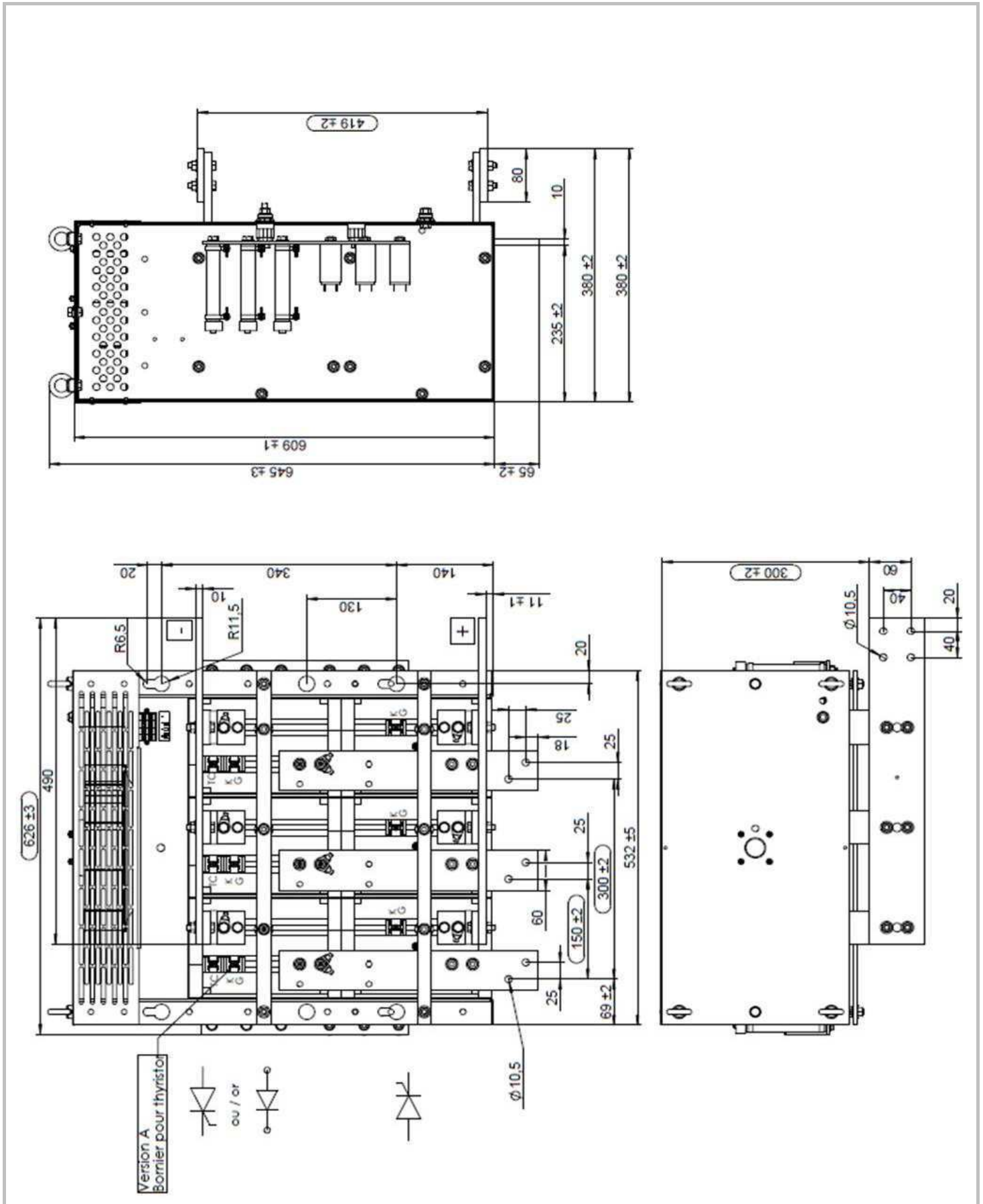
- Soft charge
- Industrial heating

Remarks

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Dimensions

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