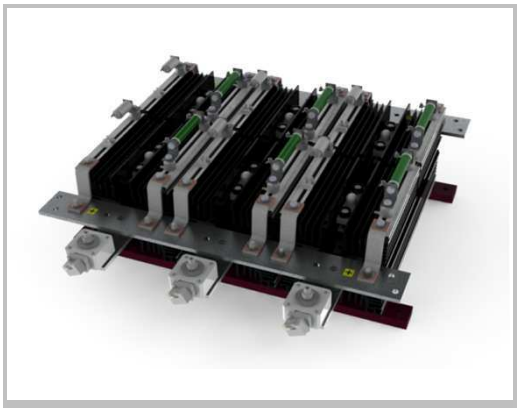
SKS 1000N B6C 670 V16 SU



Thyristor Presspack stack

SEMISTACK® CLASSICS - B6C
Three phase controlled rectifier

Preliminary data

Ordering No. 08785009
Description SKS 1000N B6C 670 V16 SU

Features

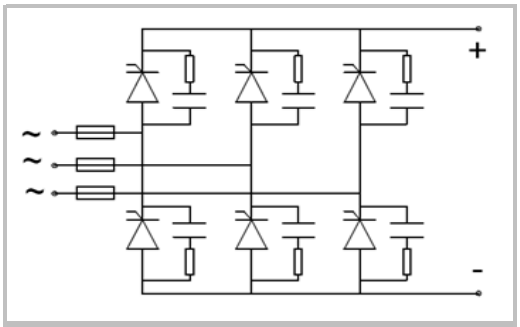
- Non isolated power stacks
- SKN 1200/16
- Heatsink U3/515
- Natural cooling
- RC circuit included
- Fuses with microswitches

Typical Applications

- Regulated power supplies
- Alternator excitation
- 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.



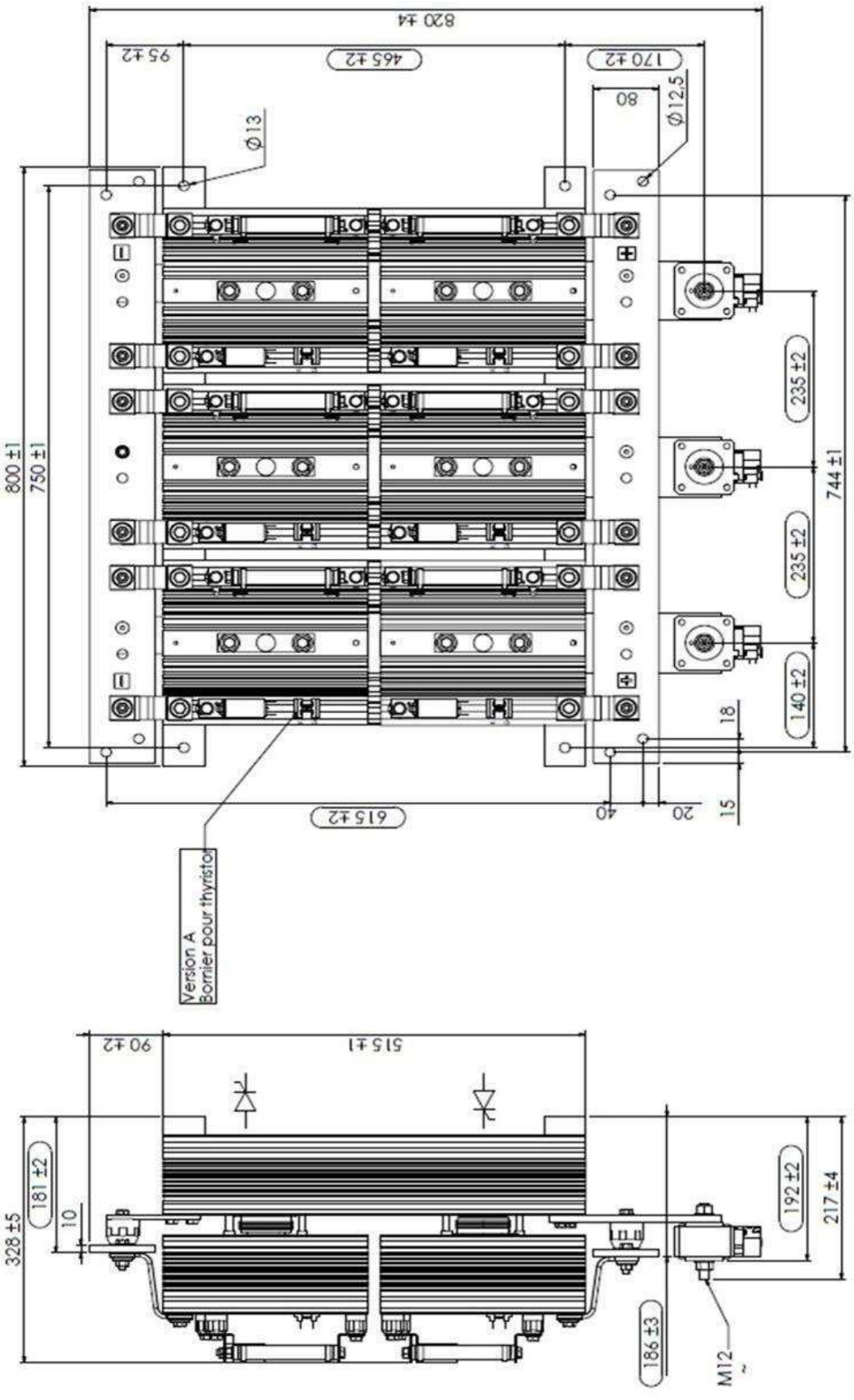
B6C

Electrical Characteristics						
Symbol	**Conditions**		**min**	**typ**	**max**	**Unit**
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT}$ = 35°C ; No overload		1 000		A
V_{AC}	Maximum AC Voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			670		kW
P_{LOSS}	Stack power loss ($T_{AMBIENT}$ = 35°C)					W

Environnmental Data					
Symbol	**Conditions**	**min**	**typ**	**max**	**Unit**
Mechanical Data					
Drawing	SEMIKRON document number.revision.version		**11110416.01.A**		-
Weight	Approximative total weight		108.4		kg
Altitude	Installation altitude without derating			1 000	m
Protection	IEC 60529		IP00		-
Pollution degree	EN 50178		2		-

Stack protection					
Symbol	**Conditions**	**min**	**typ**	**max**	**Unit**
RC circuit					
Type	RC in parallele with each electrical switch		**-**		-
R	Resistance (80W)		33		Ohm
C			0.47		µF

Fuses					
Size	1 fuse per phase, with microswitches		**33**		-
$I_{N\ RMS}$	Caliber		1 250		A
U_N	Nominal Voltage (IEC)	690			V
I^2t	Total at Un at room temperature (approx. 20…25°C)			1 942.5	kA^2s



Dimensions