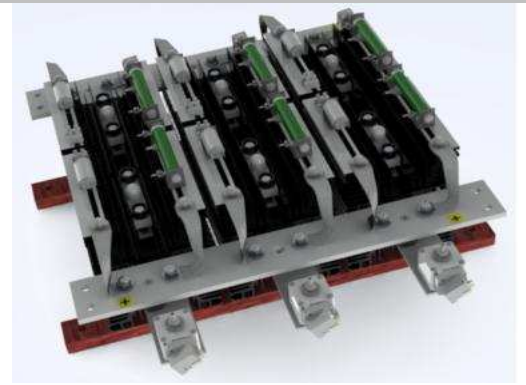


SKS 700N B6C 470 V16 SU



Thyristor Presspack stack

SEMISTACK® CLASSICS - B6C

Three phase controlled rectifier

Preliminary Data

Ordering No. 08785013
Description SKS 700N B6C 470 V16 SU

Features

- Non-isolated power stacks
- SKT 760/16
- Heatsink P11/415
- Natural cooling
- RC circuit included
- Fuses with microswitches

Typical Applications

- Regulated power supplies
- Alternator excitation
- Motor control

Remarks

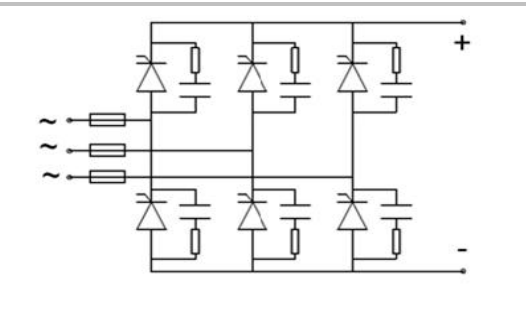
This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee, expressed or implied, is made regarding delivery, performance or suitability.

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I _D	Maximum DC current	T _{AMBIENT} = 35°C ; No overload		700		A
V _{AC}	Maximum AC voltage (+/-10%)			500		V _{AC}
V _{BUS}	DC Bus voltage			670		V _{DC}
P _{TOTAL}	Maximum stack power			470		kW
P _{LOSS}	Stack power loss (T _{AMBIENT} = 35°C)					W

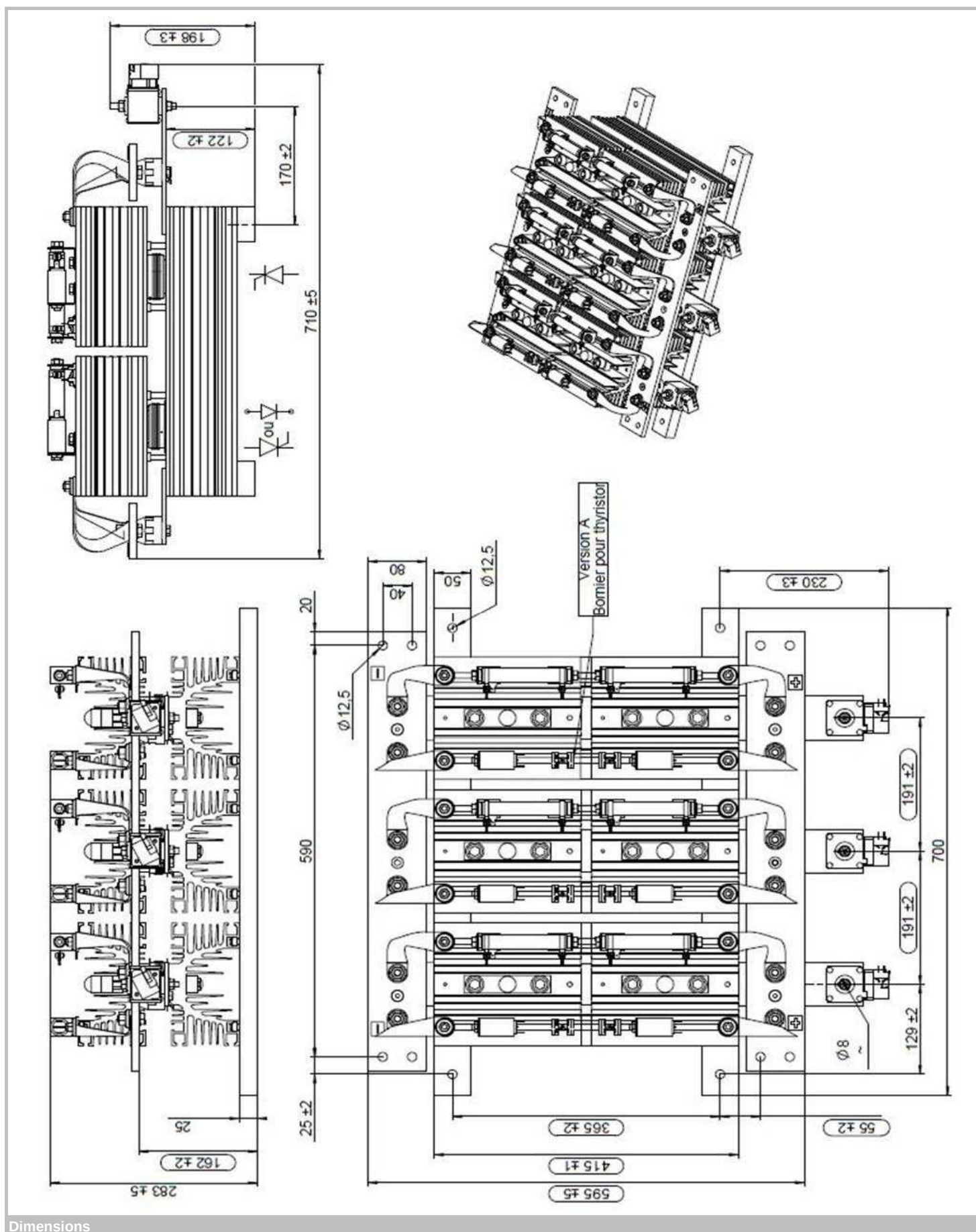
Environmental Data					
Symbol	Conditions	min	typ	max	Unit
Mechanical Data					
Drawing	SEMIKRON document number.revision.version	12100502.00.A			-
Weight	Approximate total weight	59.5			kg
Altitude	Installation altitude without derating	1 000			m
Protection	IEC 60529	IP00			-
Pollution Degree	EN 50178	2			-

Stack Protection					
Symbol	Conditions	min	typ	max	Unit
RC Circuit					
Type	RC in parallel with each electrical switch	-			-
R	Resistance (80W)	33			Ohm
C		0.47			μF

Fuses					
Size	1 fuse per phase, with microswitches			31	-
I _{N RMS}	Caliber			700	A
U _N	Nominal voltage (IEC)			690	V
I²t	Total at U _n at room temperature (approx. 20...25°C)			515	kA²s



B6C



Dimensions

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