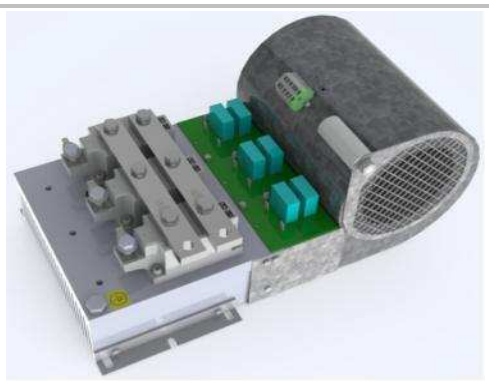
SKS 570F B6C 380 V16



Thyristor Module stack

SEMISTACK® CLASSICS - B6C
Three phase controlled rectifier

Preliminary Data

Ordering No. 08785022
Description SKS 570F B6C 380 V16

Features

- Isolated power stacks
- SKKT 323/16
- Heatsink P16/200
- Forced air cooling
- RC circuit included
- Thermal trip included

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.

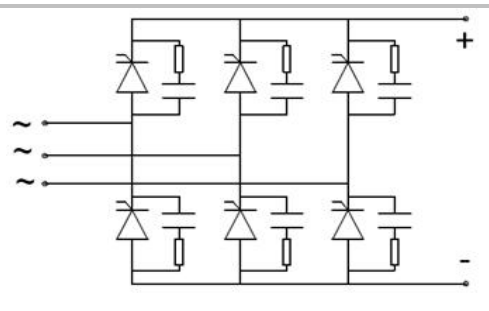
Electrical Characteristics						
Symbol	**Conditions**		**min**	**typ**	**max**	**Unit**
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT}$ = 35°C ; No overload		570		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			380		kW
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		**12100512.00.A**		-
Weight	Approximate total weight		13.57		kg
Altitude	Installation altitude without derating			1 000	m
Protection	IEC 60529		IP00		-
Pollution Degree	EN 50178		2		-

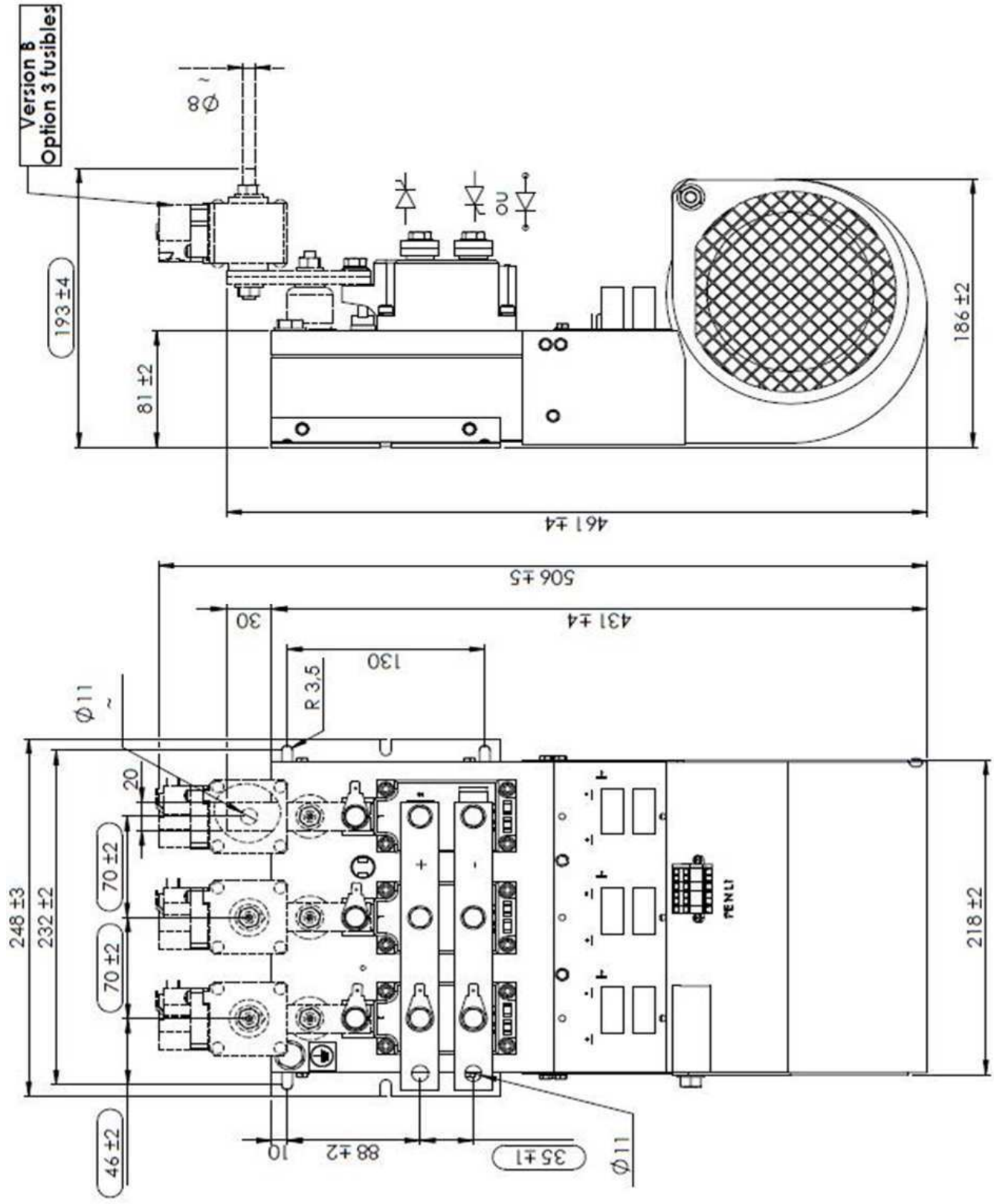
Fan Data				
Type	SEMIKRON fan designation		**SKF 16A-230-11**	-
V_{FAN}	Fan voltage		230	V_{AC}
f_{FAN}	Fan frequency		50/60	Hz
I_{FAN}	Fan maximum input current		0.60/0.68	A
P_{FAN}	Fan power		135/154	W

Stack Protection					
Symbol	**Conditions**	**min**	**typ**	**max**	**Unit**
RC Circuit					
Type	RC in parallel with each electrical switch		**RC47**		-
R	Resistance (11W)		47		Ohm
C			0.22		µF

Bimetal Thermal Trip				
T_S	Switching temperature over which thermal trip is open		85	°C
$I_{TC\ MAX}$	Maximum permissible current at 240VAC		1	A
	at 30VDC		3	A



B6C



Dimensions

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