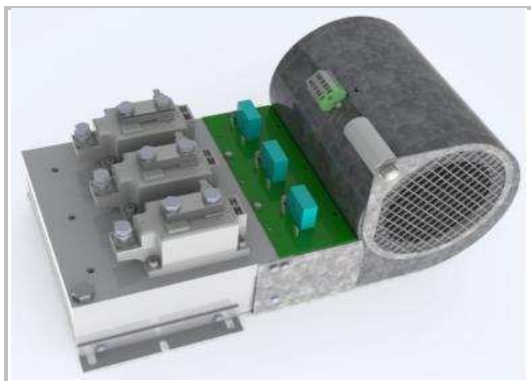


SKS 520F W3C 450 V16



Thyristor Module stack

SEMISTACK® CLASSICS - W3C

Three phase reverse parallel thyristor converter

Preliminary Data

Ordering No. 08785220
Description SKS 520F W3C 450 V16

Features

- Isolated power stacks
- SKKT 330/16
- Heatsink P16/200
- Forced air cooling
- RC circuit included
- Thermal trip included

Typical Applications

- Soft starters

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.

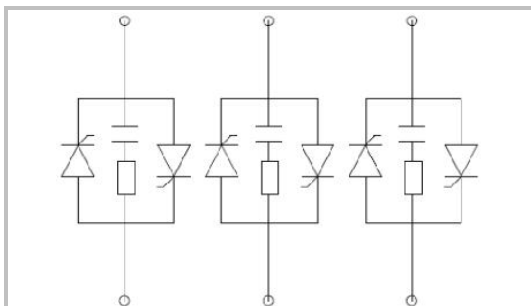
Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I _{OUT}	Maximum output current	T _{AMBIENT} = 35°C ; No overload		520		A _{RMS}
V _{AC}	Maximum AC voltage (+/-10%)			500		V _{AC}
P _{TOTAL}	Maximum stack power			450		kW
P _{LOSS}	Stack power loss (T _{AMBIENT} = 35°C)					W

Environmental Data					
Symbol	Conditions	min	typ	max	Unit
Mechanical Data					
Drawing	SEMIKRON document number.revision.version	12041112.01.A			-
Weight	Approximate total weight	12.9			kg
Altitude	Installation altitude without derating	1 000			m
Protection	IEC 60529	IP00			-
Pollution Degree	EN 50178	2			-

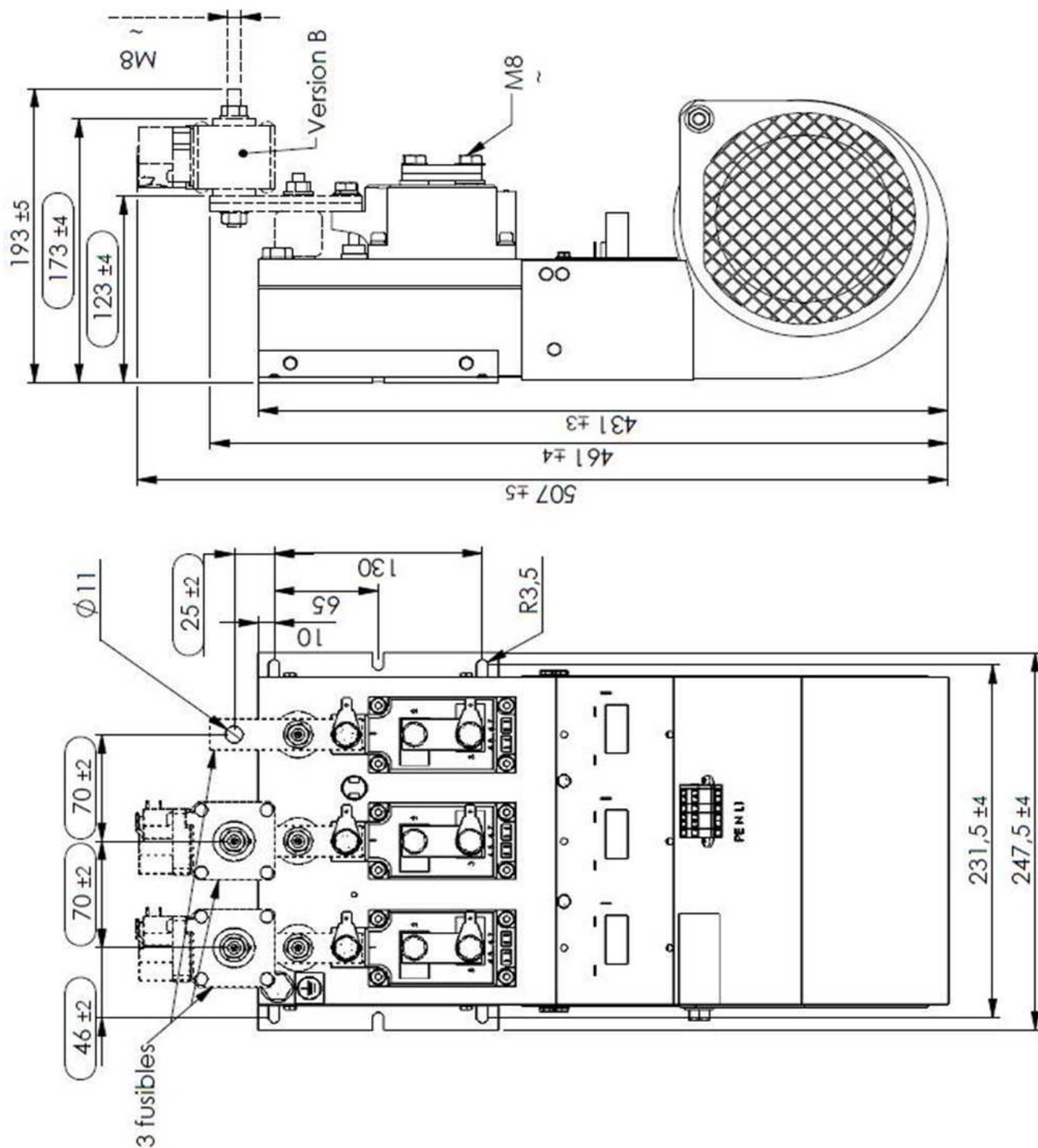
Fan Data			
Type	SEMIKRON fan designation	SKF 16A-230-11	-
V_{FAN}	Fan voltage	230	V_{AC}
f_{FAN}	Fan frequency	50/60	Hz
I_{FAN}	Fan maximum input current	0.60/0.68	A
P_{FAN}	Fan power	135/154	W

Stack Protection						
Symbol	Conditions		min	typ	max	Unit
RC Circuit						
Type	RC in parallel with each switch		1/2 RC47			-
R	Resistance (11W)		47			Ohm
C			0.22			μF

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



W3C



Dimensions

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