

Thyristor Stud stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT} = 45^\circ\text{C}$; No overload		355		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			240		kW
P_{LOSS}	Stack power loss ($T_{AMBIENT} = 45^\circ\text{C}$)					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			10052002.01.B		-
Weight	Approximate total weight			~21.497		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution Degree	EN 50178			2		-

SEMISTACK® CLASSICS - B6C

Three phase controlled rectifier

Preliminary Data

Ordering No. 08785015
Description SKS 355N B6C 240 V16 SU

Features

- Non-isolated power stacks
- SKT 300/16
- Heatsink P1/200 M24
- Natural cooling
- RC circuit included
- Fuses with microswitches

Typical Applications

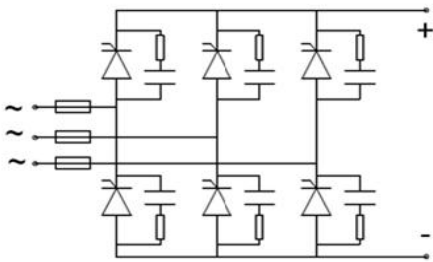
- Regulated power supplies
- Alternator excitation
- Motor control

Remarks

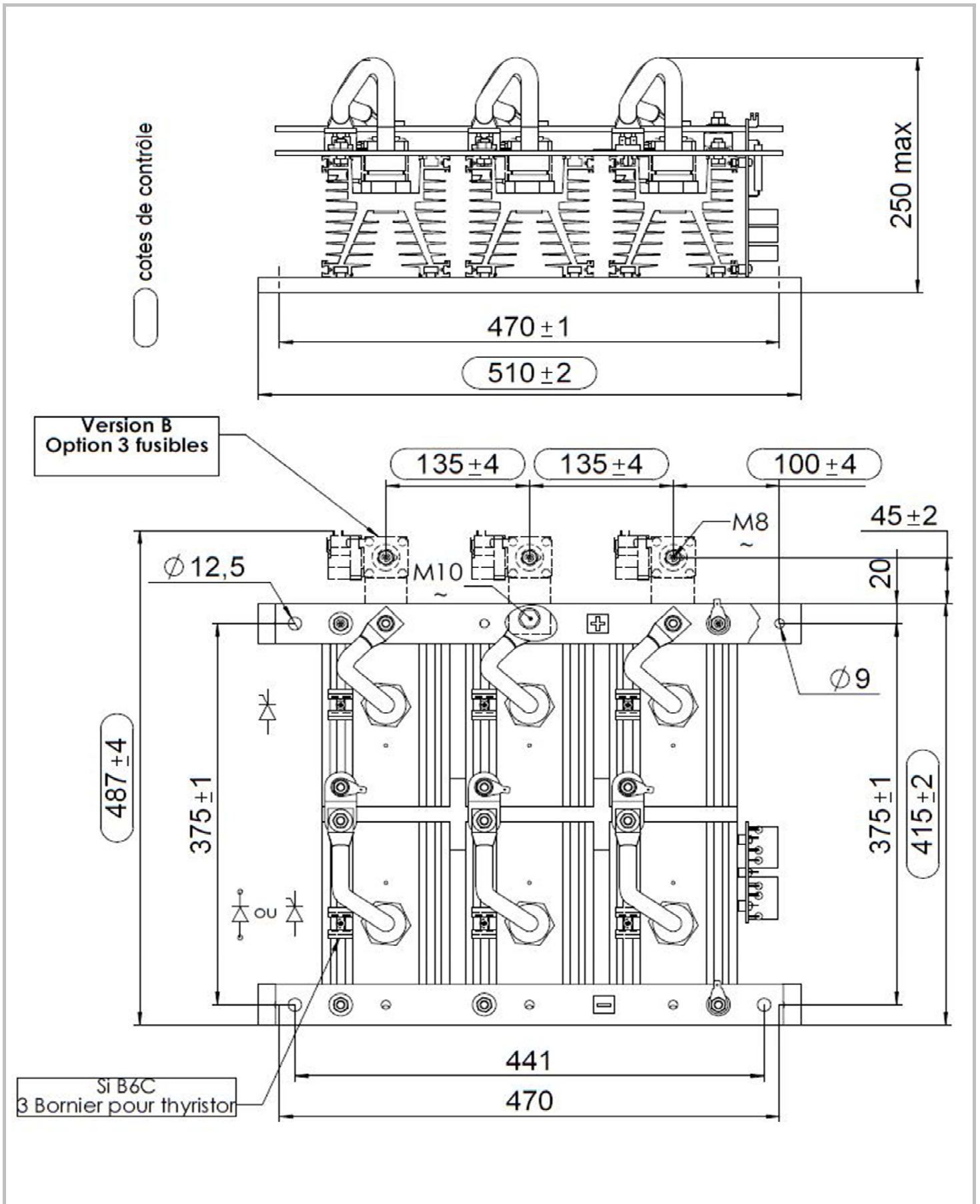
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Stack Protection						
Symbol	Conditions		min	typ	max	Unit
RC Circuit						
Type	RC in parallel with each electrical switch			RC32		-
R	Resistance (11W)			100		Ohm
C				0.1		μF

Fuses						
Symbol	Conditions		min	typ	max	Unit
Fuses						
Size	1 fuse per phase, with microswitches			30		-
$I_{N\text{RMS}}$	Caliber			400		A
U_N	Nominal voltage (IEC)			690		V
I^2t	Total at U_N at room temperature (approx. 20...25°C)				126	kA^2s



B6C



Dimensions

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