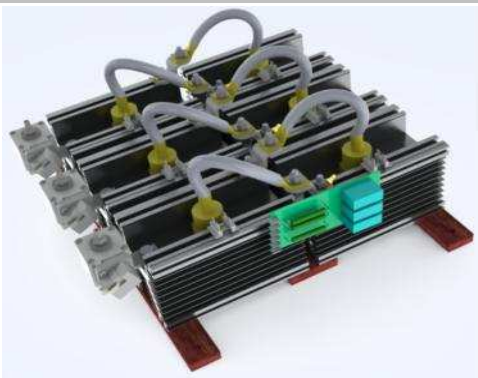


SKS 275N W3C 240 V16 SU



Thyristor Stud stack

Electrical Characteristics							
Symbol	Conditions			min	typ	max	Unit
Electrical Data							
I _{OUT}	Maximum output current	T _{AMBIENT} = 35°C ; No overload			275		A _{RMS}
V _{AC}	Maximum AC voltage (+/-10%)				500		V _{AC}
P _{TOTAL}	Maximum stack power				240		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	12051002.01.B			-
Weight	Approximate total weight	20.1			kg
Altitude	Installation altitude without derating	1 000			m
Protection	IEC 60529	IP00			-
Pollution Degree	EN 50178	2			-

SEMISTACK® CLASSICS - W3C

Three phase reverse parallel thyristor converter

Preliminary Data

Ordering No. 08785215
Description SKS 275N W3C 240 V16 SU

Features

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

Typical Applications

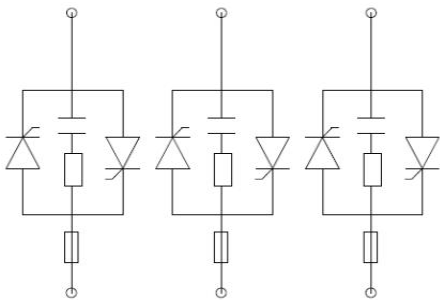
- Soft starters

Remarks

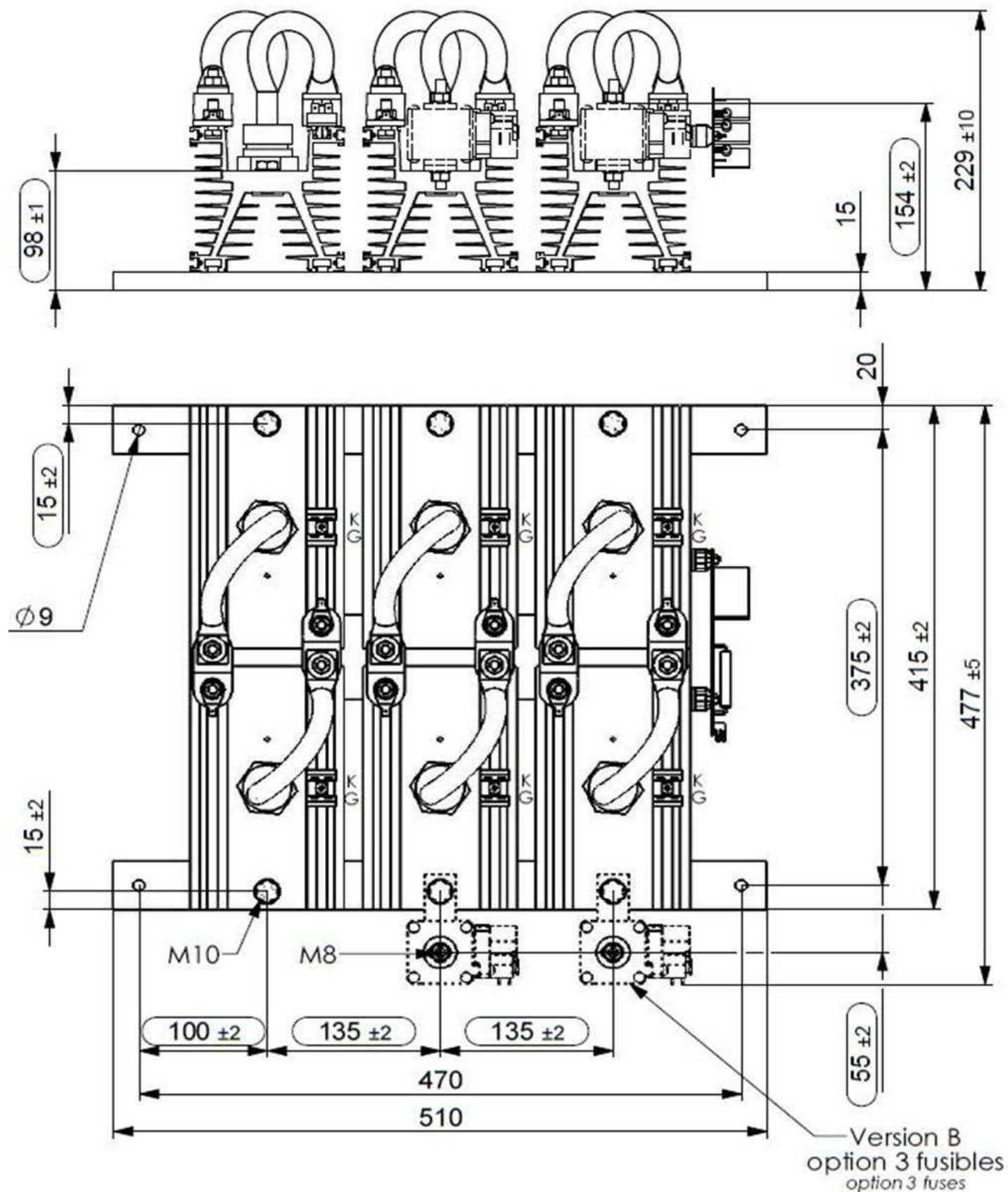
This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee, expressed or implied, is made regarding delivery, performance or suitability.

Stack Protection					
Symbol	Conditions	min	typ	max	Unit
RC Circuit					
Type	RC in parallel with each switch	RC25B			-
R	Resistance (10W)	68			Ohm
C		0.1			μF

Fuses			
Size	1 fuse per phase, with microswitches	30	-
$I_{N\ RMS}$	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



W3C



Dimensions

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