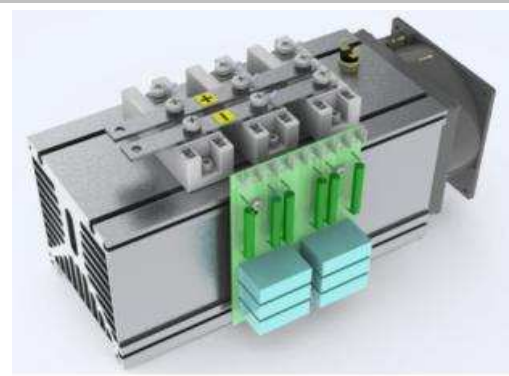


SKS 250F B6C 170 V16



Thyristor Module stack

SEMISTACK® CLASSICS - B6C

Three phase controlled rectifier

Preliminary Data

Ordering No. 08785026
Description SKS 250F B6C 170 V16

Features

- Isolated power stacks
- SKKT 162/16
- Heatsink P3/265
- 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.

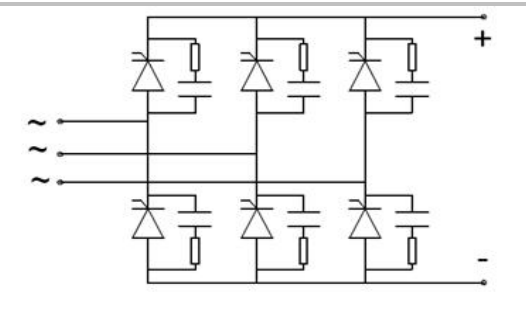
Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I _D	Maximum DC current	T _{AMBIENT} = 35°C ; No overload		250		A
V _{AC}	Maximum AC voltage (+/-10%)			500		V _{AC}
V _{BUS}	DC Bus voltage			670		V _{DC}
P _{TOTAL}	Maximum stack power			170		kW
P _{LOSS}	Stack power loss (T _{AMBIENT} = 35°C)					W

Environmental Data					
Symbol	Conditions	min	typ	max	Unit
Mechanical Data					
Drawing	SEMIKRON document number.revision.version	12101602.00.A			-
Weight	Approximate total weight	6.96			kg
Altitude	Installation altitude without derating	1 000			m
Protection	IEC 60529	IP00			-
Pollution Degree	EN 50178	2			-

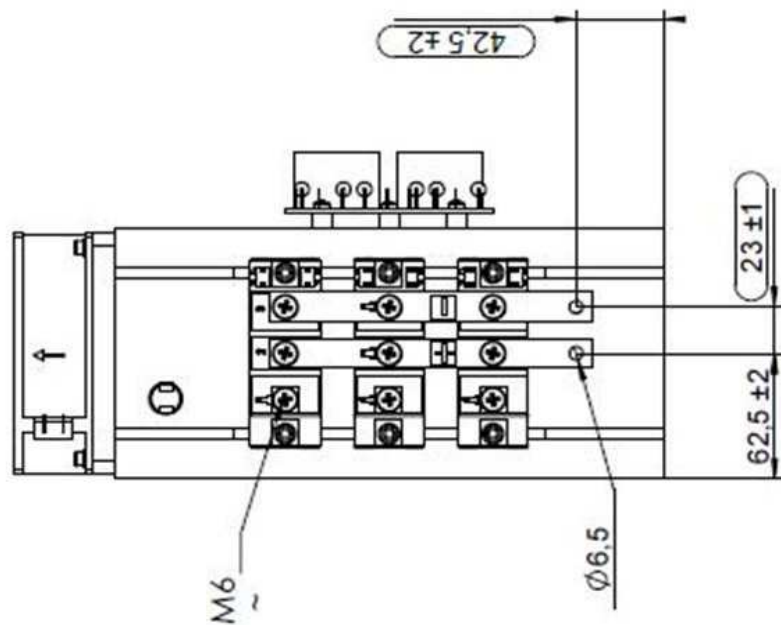
Fan Data			
Type	SEMIKRON fan designation	SKF 3-230-01	-
V _{FAN}	Fan voltage	230	V _{AC}
f _{FAN}	Fan frequency	50/60	Hz
I _{FAN}	Fan maximum input current	0.12/0.10	A
P _{FAN}	Fan power	15/14	W

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

Bimetal Thermal Trip			
T _S	Switching temperature over which thermal trip is open	85	°C
I _{TC MAX}	Maximum permissible current	1	A
	at 240VAC at 30Vdc	3	A



B6C



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.