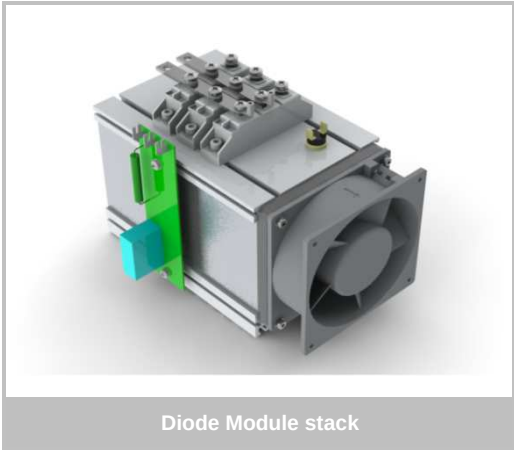


SKS 185F B6U 125 V16



Diode Module stack

SEMISTACK® CLASSICS - B6U

Three phase uncontrolled rectifier

Preliminary data

Ordering No. 08785126
Description SKS 185F B6U 125 V16

Features

- Isolated power stacks
- SKKD 100/16
- Heatsink P3/180
- RC circuit included
- Forced air cooling
- Thermal trip included

Typical Applications

- Power supplies
- Rectifier for AC/DC 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.

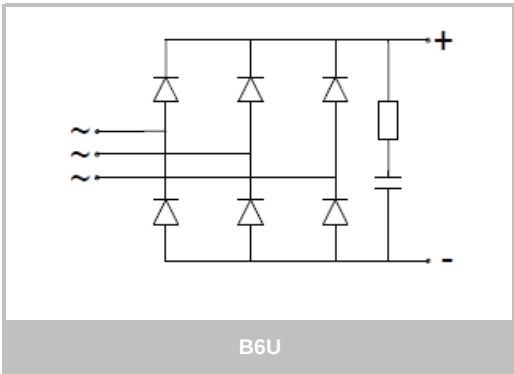
Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I _D	Maximum DC current	T _{AMBIENT} = 35°C ; No overload		185		A
V _{AC}	Maximum AC voltage (+/-10%)			500		V _{AC}
V _{BUS}	DC Bus voltage			670		V _{DC}
P _{TOTAL}	Maximum stack power			125		kW
P _{LOSS}	Stack power loss (T _{AMBIENT} = 35°C)					W

Environmental Data					
Symbol	Conditions	min	typ	max	Unit
Mechanical Data					
Drawing	SEMIKRON document number.revision.version	12100302.00			-
Weight	Approximate total weight	4.6			kg
Altitude	Installation altitude without derating	1 000			m
Protection	IEC 60529	IP00			-
Pollution degree	EN 50178	2			-

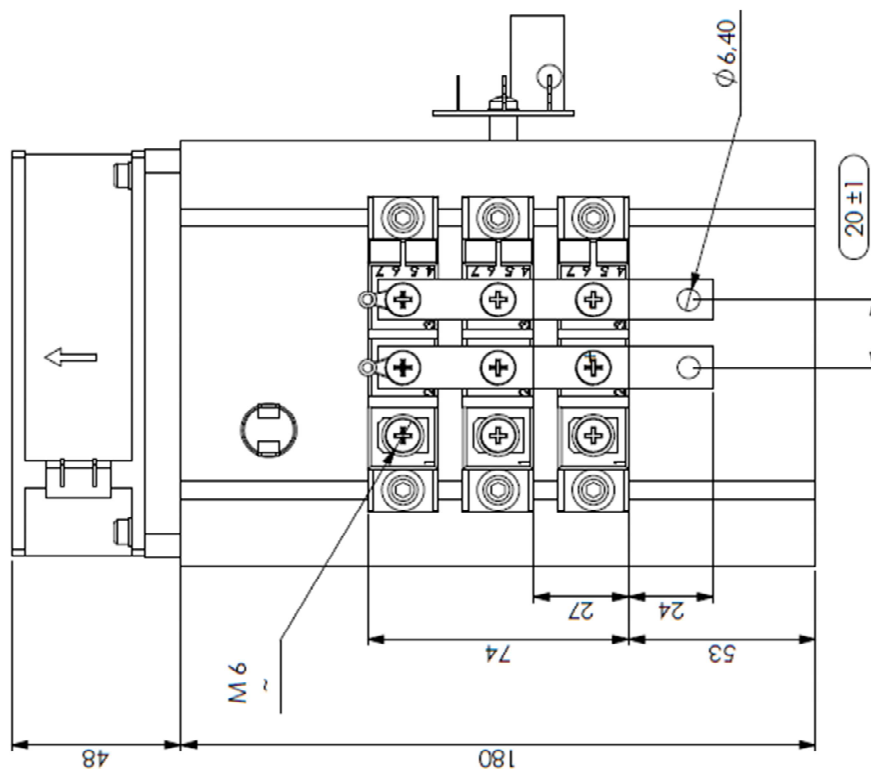
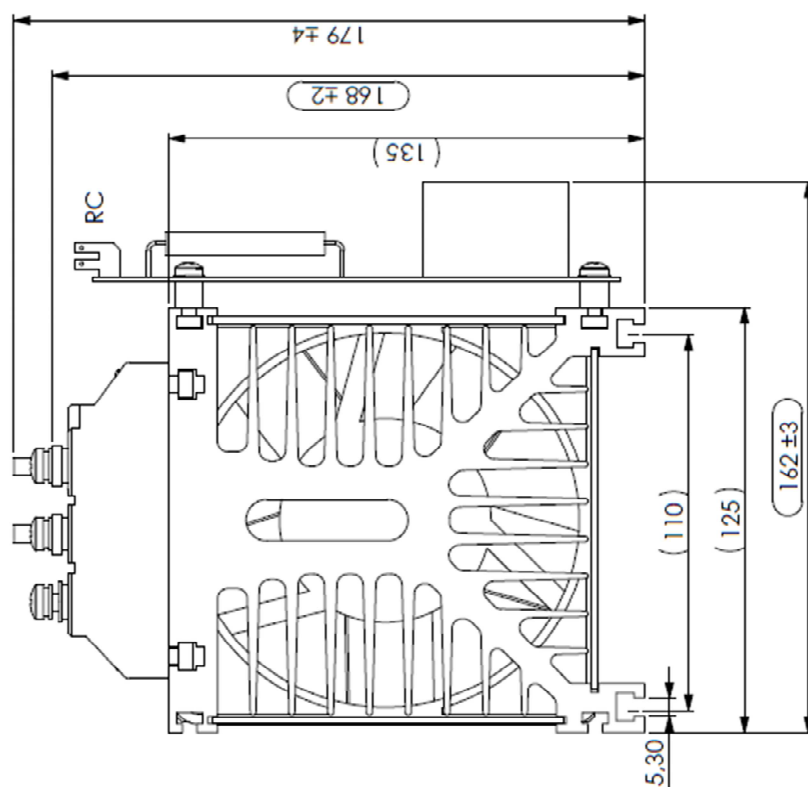
Fan Data			
Type	SEMIKRON fan designation	SKF 3-230-01	-
V_{FAN}	Fan voltage	230	V_{AC}
f_{FAN}	Fan frequency	50/60	Hz
I_{FAN}	Fan maximum input current	0.12/0.10	A
P_{FAN}	Fan power	15/14	W

Stack Protection					
Symbol	Conditions	min	typ	max	Unit
RC Circuit					
Type	RC in parallel with bridge rectifier	1/2 RC15B			-
R	Resistance (11W)	68			Ohm
C		0.1			μF

Bimetal Thermal Trip			
T _S	Switching temperature over which thermal trip is open	80	°C
I _{TC MAX}	Maximum permissible current at 240VAC	1	A
	at 30Vdc	3	A



B6U



Dimensions

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