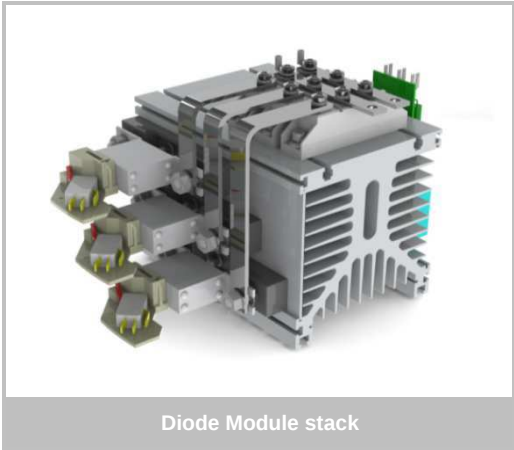


SKS 91N B6U 60 V16 SU



Diode Module stack

SEMISTACK® CLASSICS - B6U

Three phase uncontrolled rectifier

Preliminary data

Ordering No. 08785129
Description SKS 91N B6U 60 V16 SU

Features

- Isolated power stacks
- SKKD 100/16
- Heatsink P3/180
- Natural cooling
- RC circuit included
- Fuses with microswitches

Typical Applications

- Power supplies
- Rectifier for AC/DC motor control

Remarks

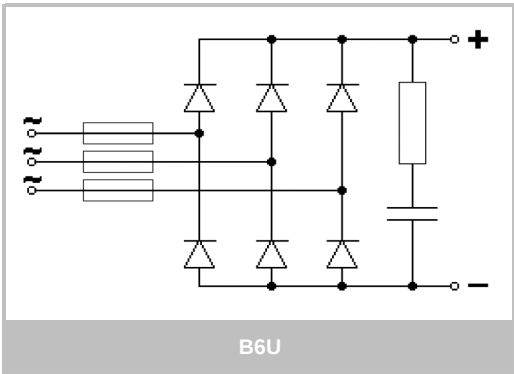
This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee, expressed or implied, is made regarding delivery, performance or suitability.

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I _D	Maximum DC current	T _{AMBIENT} = 35°C ; No overload		91		A
V _{AC}	Maximum AC voltage (+/-10%)			500		V _{AC}
V _{BUS}	DC Bus voltage			670		V _{DC}
P _{TOTAL}	Maximum stack power			60		kW
P _{LOSS}	Stack power loss (T _{AMBIENT} = 35°C)					W

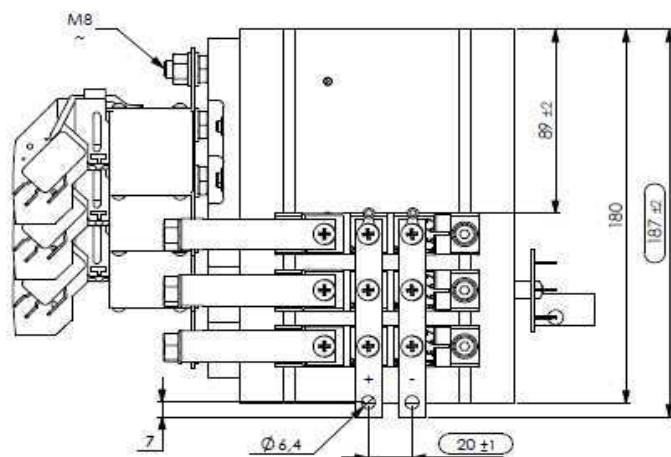
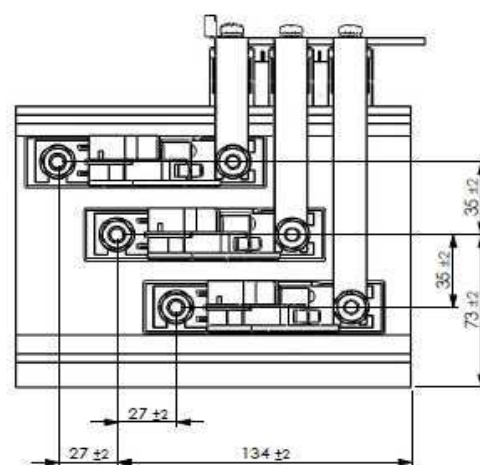
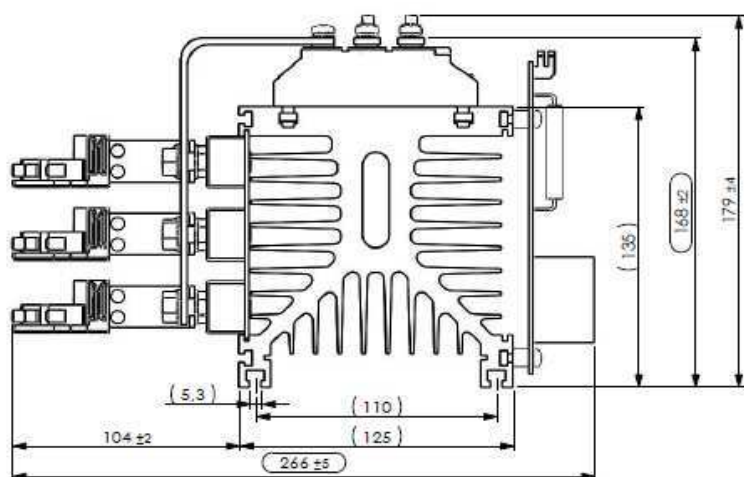
Environmental Data					
Symbol	Conditions	min	typ	max	Unit
Mechanical Data					
Drawing	SEMIKRON document number.revision.version	12100902.00			-
Weight	Approximate total weight	4.5			kg
Altitude	Installation altitude without derating	1 000			m
Protection	IEC 60529	IP00			-
Pollution degree	EN 50178	2			-

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

Fuses			
Size	1 fuse per phase, with microswitches	000	-
$I_{N\ RMS}$	Caliber	160	A
U_N	Nominal voltage (IEC)	690	V
I^2t	Total at U_n at room temperature (approx. 20...25°C)	17.44	kA²s



B6U



Dimensions

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