

Thyristor/Diode Module stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT} = 35^{\circ}C$; No overload		180		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			120		kW
P_{LOSS}	Stack power loss ($T_{AMBIENT} = 35^{\circ}C$)					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			12100402.00.B		-
Weight	Approximate total weight			4.8		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			80		$^{\circ}C$
$I_{TC MAX}$	Maximum permissible current			1		A
	at 30Vdc			3		A

SEMISTACK® CLASSICS - B6HK

Three phase half-controlled rectifier

Preliminary Data

Ordering No. 08800517
Description SKS 180F B6HK 120 V16

Features

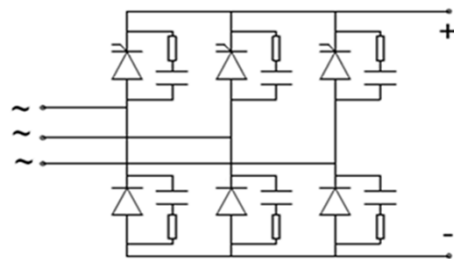
- Isolated power stacks
- SKKH 106/16
- Heatsink P3/180
- Forced air cooling
- RC circuit included
- Thermal trip included

Typical Applications

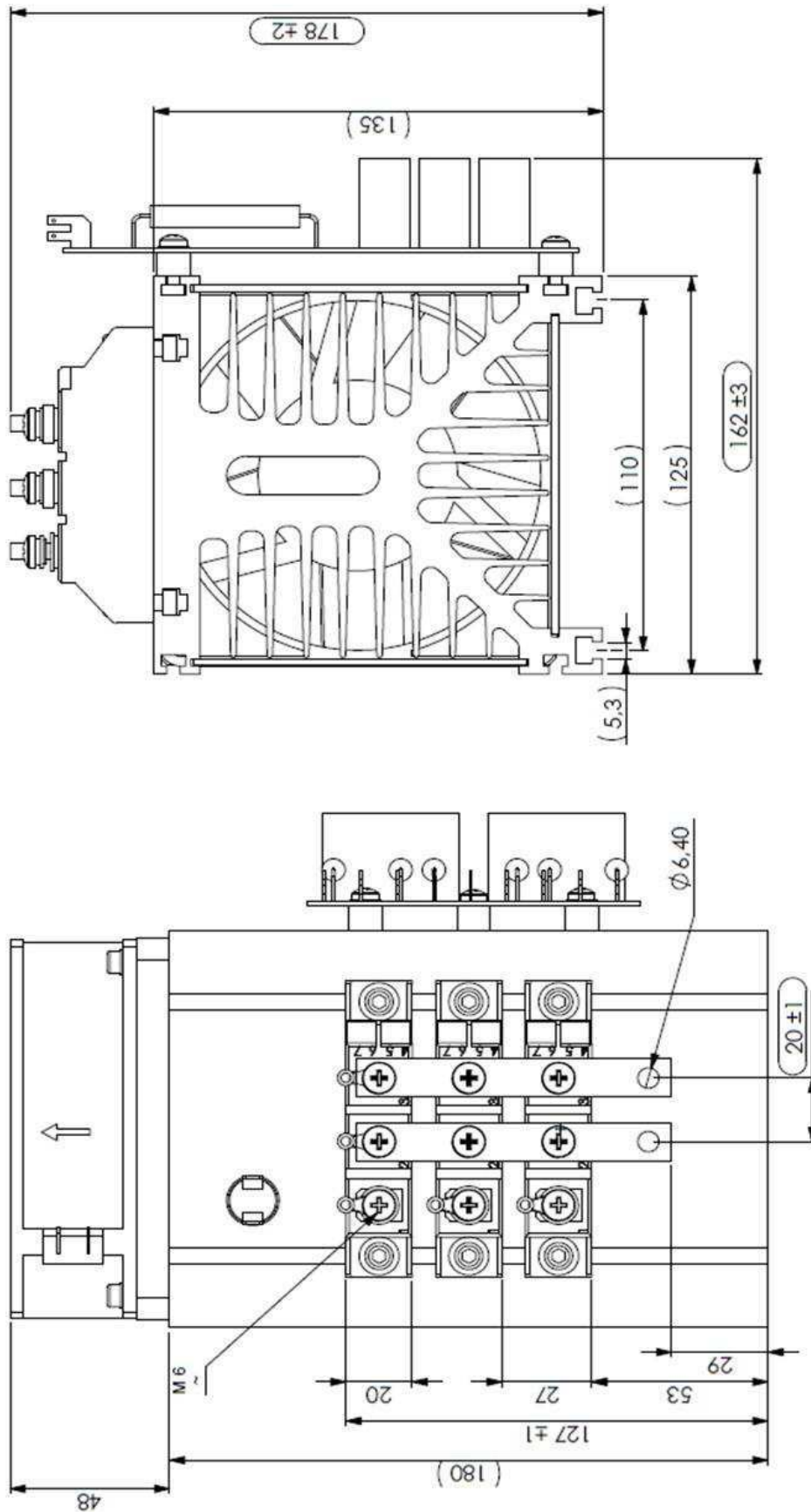
- Soft charge
- Industrial heating

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.



B6HK



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.