

## SKiiP 430 ANA ... - SKiiP 580 ANA ...

V <sub>RMS</sub> V	V <sub>DRM</sub> V <sub>RRM</sub> V	I <sub>RMS</sub> for continous operation, T <sub>amb</sub> = 35 °C, mounted on heatsink P16/260F with radial fan SKF 16B-230-01			
		500 A	600 A	recom. RC snubber	
		SKiiP	SKiiP	R/Ω	C/μF
230	800	<b>430 ANA 08</b>	<b>580 ANA 08</b>	47	0.22
400	1400	<b>430 ANA 14</b>	<b>580 ANA 14</b>	68	0.1
500	1600	<b>430 ANA 16</b>	<b>580 ANA 16</b>	68	0.1

## Absolute Maximum Ratings

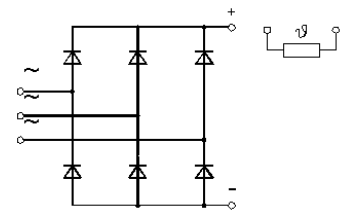
Symbol	Conditions	430 ANA	580 ANA	Units
I <sub>D</sub> <sup>2)</sup>	T <sub>amb</sub> = 35 °C, T <sub>j</sub> = 130 °C	500	600	A
I <sub>FSM</sub>	T <sub>vj</sub> = 130 °C, 10 ms	5	10	kA
i <sup>2</sup> t	T <sub>vj</sub> = 130 °C, 10 ms	125	320	kA <sup>2</sup> s
R <sub>thja</sub> <sup>5)</sup>	325 m <sup>3</sup> /h air flow	0.076	0.062	K/W
h	altitude	sea level		m
V <sub>isol</sub>	a.c. 50 Hz; rms; 1 s/1 min	3000/2500		V~
T <sub>vj</sub>		- 40 ... + 130		°C
T <sub>stg</sub>		- 40 ... + 130		°C
R <sub>temp</sub>	T <sub>c</sub> = 25 °C, I <sub>nom</sub> = 1 mA	1000		Ω

## Mechanical Data

a	acceleration	5 x g (g = 9.81)	m/s <sup>2</sup>
w	approx.	7.4	kg
M	busbars to terminals	22.5 ± 2.5	Nm

## SKiiP® B6U 3 ~ AC Bridge Rectifier

### SKiiP 430 ANA ... SKiiP 580 ANA ...



## Features

- Isolated heatsink
- Aluminium oxide ceramic substrate
- Integrated power for full bridge rectifier
- Blocking voltage up to 1.6 kV
- Pressure contact for high reliability
- base-plate temperature monitoring (PTC)

## Typical Applications

- DC drivers
- Battery chargers rectifiers
- Input rectifier for variable frequency drivers

1) Code designation for orders  
SKiiP ... ANA, F

... ANA .. = no fan

... ANA.. F = with fan

2) „cold-start“ absolute maximum current, with fan SKF 16B

3) Value for complete B6U assembly with fan SKF 16B

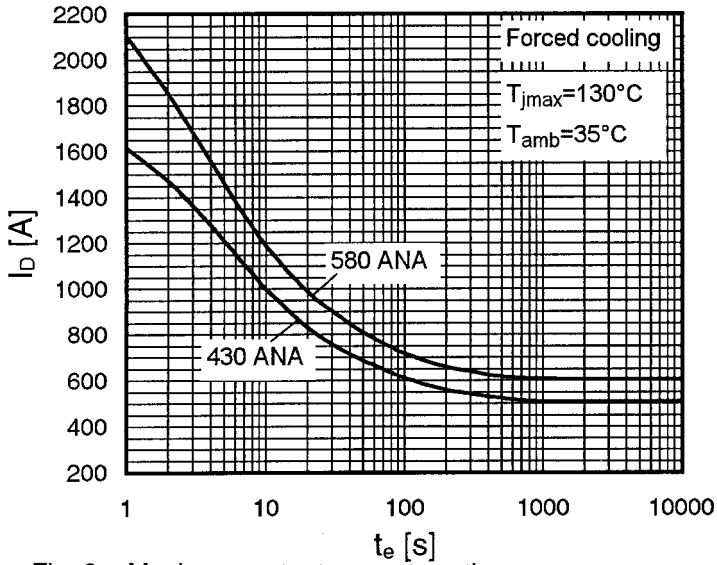


Fig. 3 Maximum output current vs. time

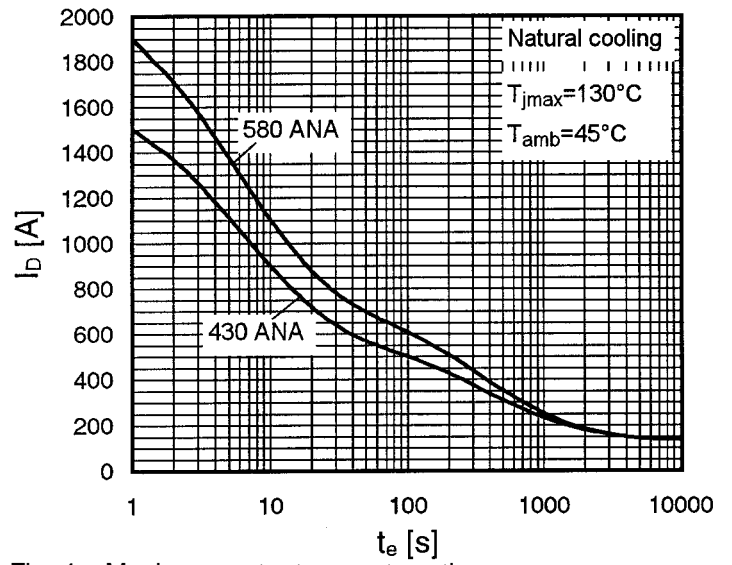


Fig. 4 Maximum output current vs. time

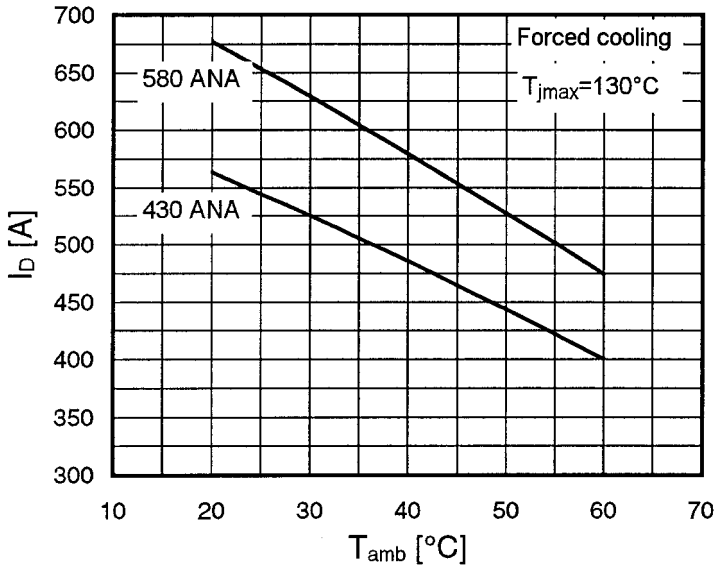


Fig. 5 Maximum output current vs. ambient temperature

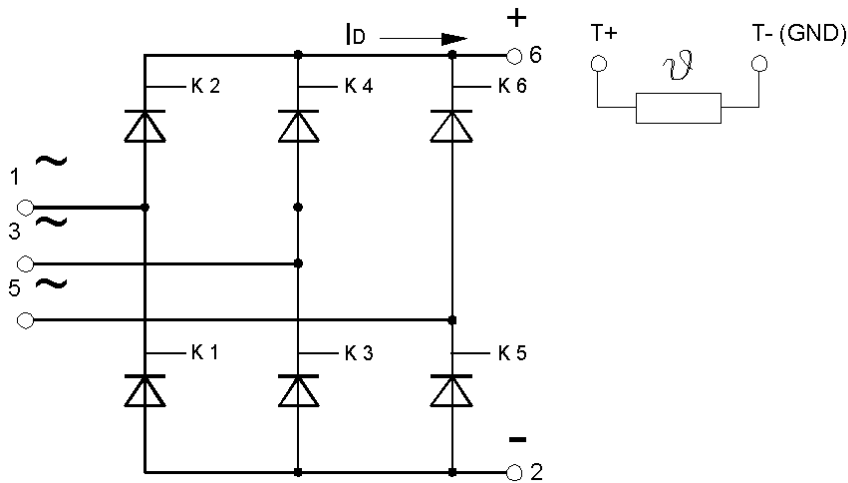


Fig. 12 Block diagramm

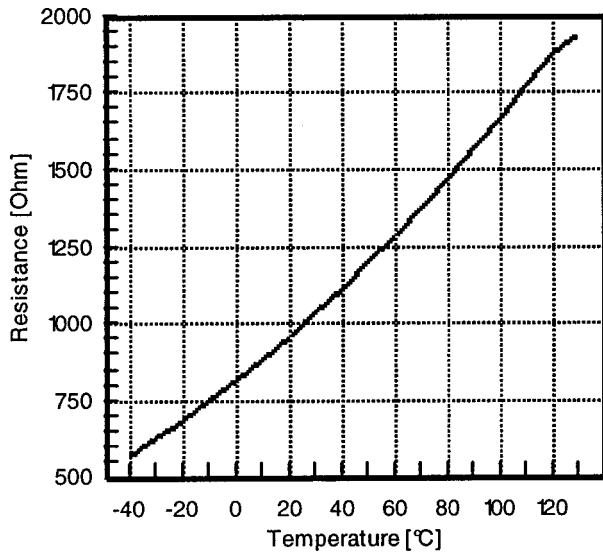
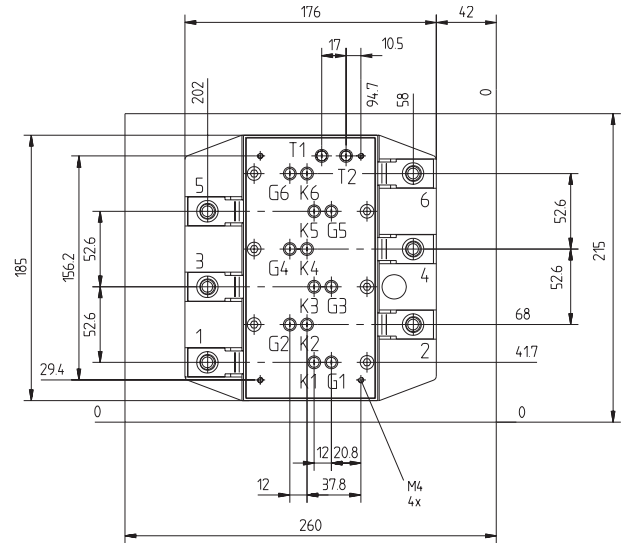
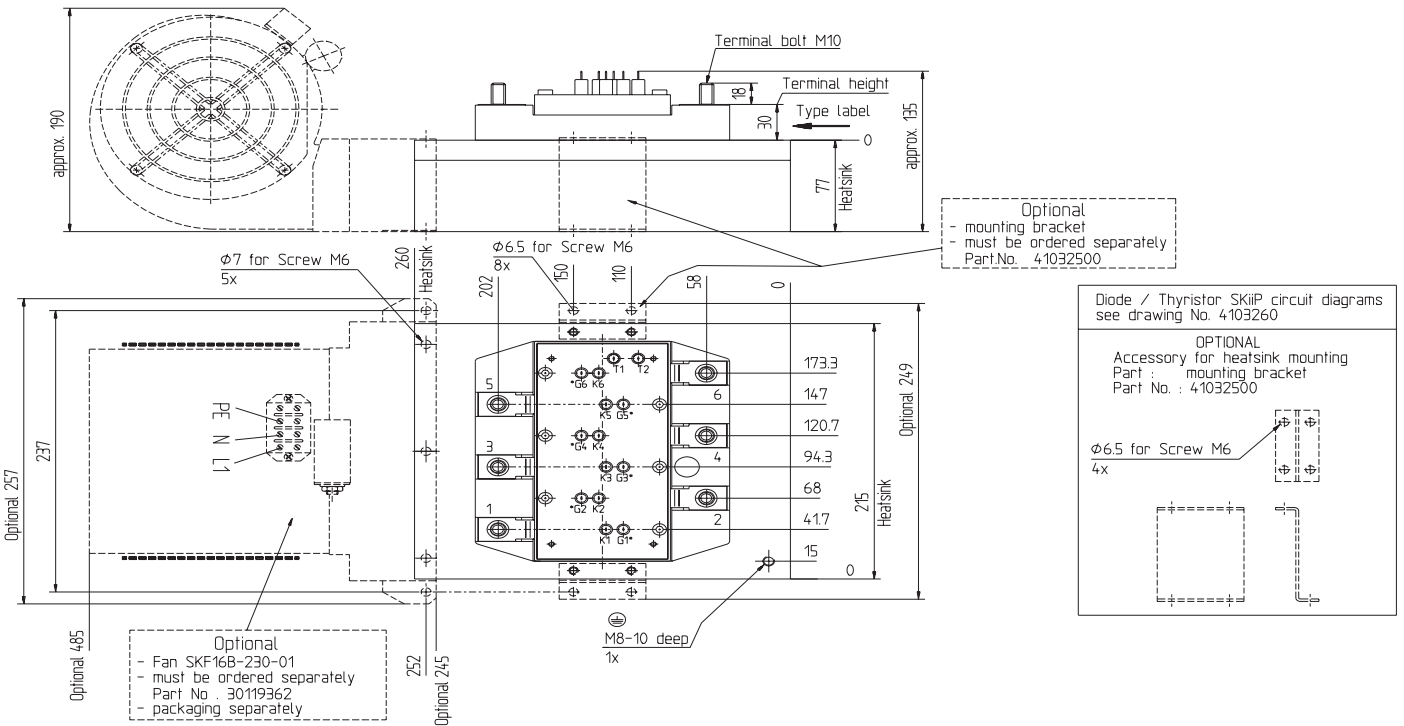


Fig. 14 Temperature sensor characteristic.



Nominal supply current = 1 mA  
Fig. 15 Case S6 mechanical outline (in mm) without fan



\* Gate terminals only active with Thyristor (chips) circuits

Fig. 16 Mechanical outline (in mm) with optional fan and mounting hardware

Fan has to be ordered separately (Id. No. 30119362)