

# SKB 30



$V_{RSM}, V_{RRM}$ V	$V_{VRMS}$ V	$I_D = 30 \text{ A } (T_c = 94 \text{ }^\circ\text{C})$ Types	$C_{max}$ $\mu\text{F}$	$R_{min}$ $\Omega$
200		SKB 30/02A1		0,15
400		SKB 30/04A1		0,3
800		SKB 30/08A1		0,5
1200		SKB 30/12A1		0,75
1400		SKB 30/14A1		0,9
1600		SKB 30/16A1		1

## Power Bridge Rectifiers

### SKB 30

#### Features

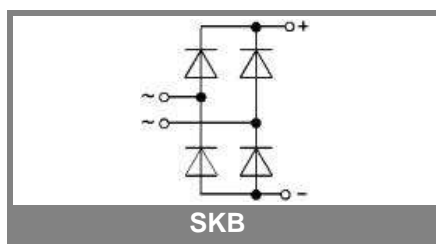
- Isolated metal case with screw terminals
- Blocking voltage up to 1600 V
- High surge current
- Easy chassis mounting
- UL recognized, file no. E 63 532

#### Typical Applications\*

- Single phase rectifiers for power supplies
- Input rectifiers for variable frequency drives
- Rectifiers for DC motor field supplies
- Battery charger rectifiers
- Recommended snubber network:  
RC: 0.1  $\mu\text{F}$ , 50  $\Omega$  ( $P_R = 1 \text{ W}$ )

- 1) Freely suspended or mounted on an insulator
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

Symbol	Conditions	Values	Units
$I_D$	$T_a = 45 \text{ }^\circ\text{C}$ , isolated <sup>1)</sup> $T_a = 45 \text{ }^\circ\text{C}$ , chassis <sup>2)</sup>	6,5 15	A A
$I_{DCL}$	$T_a = 45 \text{ }^\circ\text{C}$ , isolated <sup>1)</sup> $T_a = 45 \text{ }^\circ\text{C}$ , chassis <sup>2)</sup> $T_a = \text{ }^\circ\text{C}$ ,	6 13 A	A A A
$I_{FSM}$	$T_{vj} = 25 \text{ }^\circ\text{C}$ , 10 ms $T_{vj} = 150 \text{ }^\circ\text{C}$ , 10 ms	370 320	A A
$i^2t$	$T_{vj} = 25 \text{ }^\circ\text{C}$ , 8,3 ... 10 ms $T_{vj} = 150 \text{ }^\circ\text{C}$ , 8,3 ... 10 ms	680 500	A <sup>2</sup> s A <sup>2</sup> s
$V_F$	$T_{vj} = 25 \text{ }^\circ\text{C}$ , $I_F = 150 \text{ A}$	max. 2,2	V
$V_{(TO)}$	$T_{vj} = 150 \text{ }^\circ\text{C}$	max. 0,85	V
$r_T$	$T_{vj} = 150 \text{ }^\circ\text{C}$	max. 12	m $\Omega$
$I_{RD}$	$T_{vj} = 25 \text{ }^\circ\text{C}$ , $V_{RD} = V_{RRM}$ $T_{vj} = \text{ }^\circ\text{C}$ , $V_{RD} = V_{RRM} \geq V$	300	$\mu\text{A}$ $\mu\text{A}$
$I_{RD}$	$T_{vj} = 150 \text{ }^\circ\text{C}$ , $V_{RD} = V_{RRM}$ $T_{vj} = \text{ }^\circ\text{C}$ , $V_{RD} = V_{RRM} \geq V$	5	mA mA
$t_{tr}$	$T_{vj} = 25 \text{ }^\circ\text{C}$	25	$\mu\text{s}$
$f_G$		2000	Hz
$R_{th(j-a)}$	isolated <sup>1)</sup> chassis <sup>2)</sup>	8,5 3,3	K/W K/W
$R_{th(j-c)}$	total	0,7	K/W
$R_{th(c-s)}$	total	0,1	K/W
$T_{vj}$		- 40 ... + 150	$^\circ\text{C}$
$T_{stg}$		- 55 ... + 150	$^\circ\text{C}$
$V_{isol}$	a. c. 50 ... 60 Hz; r.m.s.; 1 s / 1 min.	3000 / 2500	V~
$M_s$	to heatsink	5 $\pm$ 15 %	Nm
$M_t$	to terminals	1,5 $\pm$ 15 %	Nm
$a$			m/s <sup>2</sup>
$w$		125	g
$F_u$		25	A
Case		G 12	



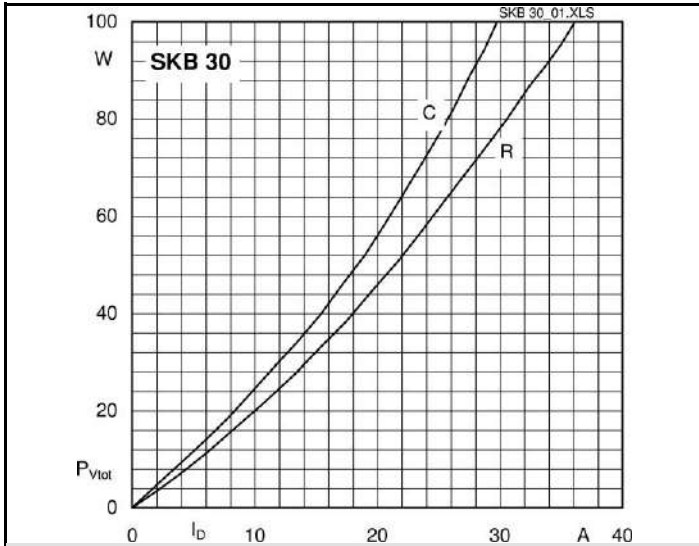


Fig. 3L Power dissipation vs. output current

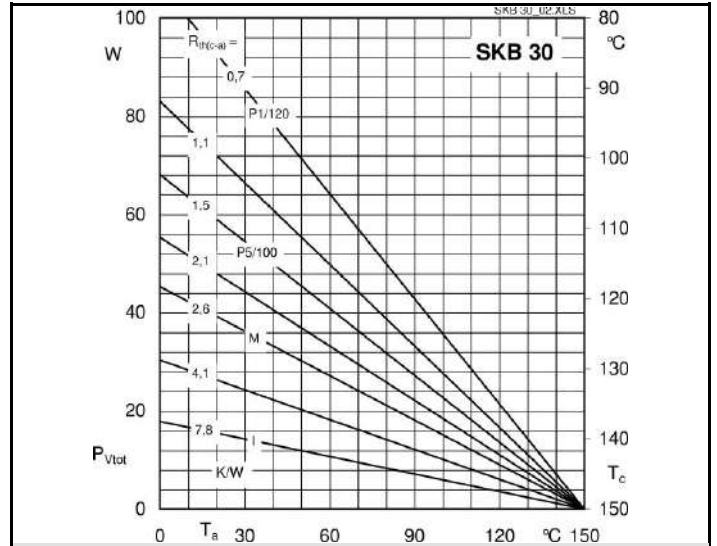


Fig. 3R Power dissipation vs. case temperature

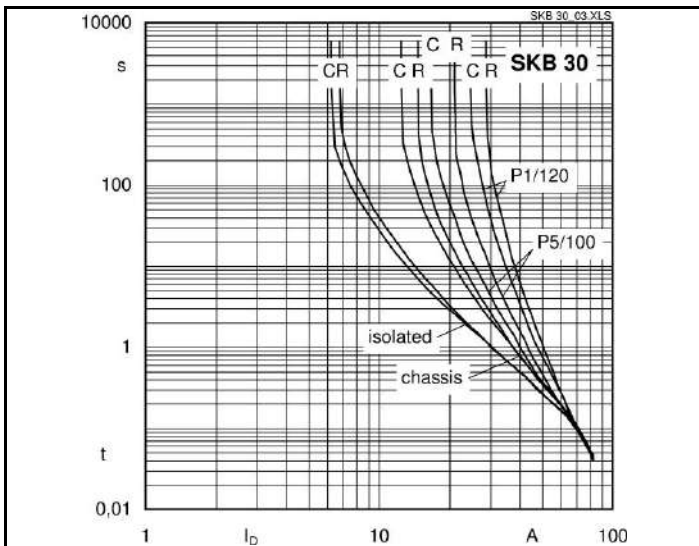


Fig. 6 Rated overload characteristics vs. time

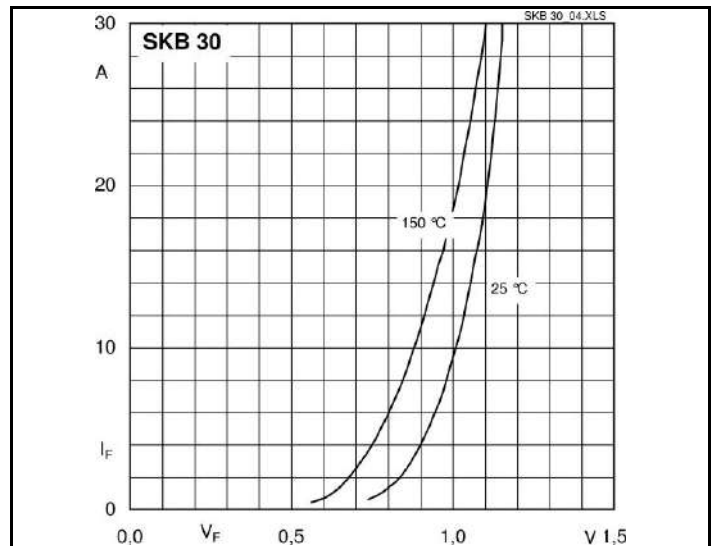
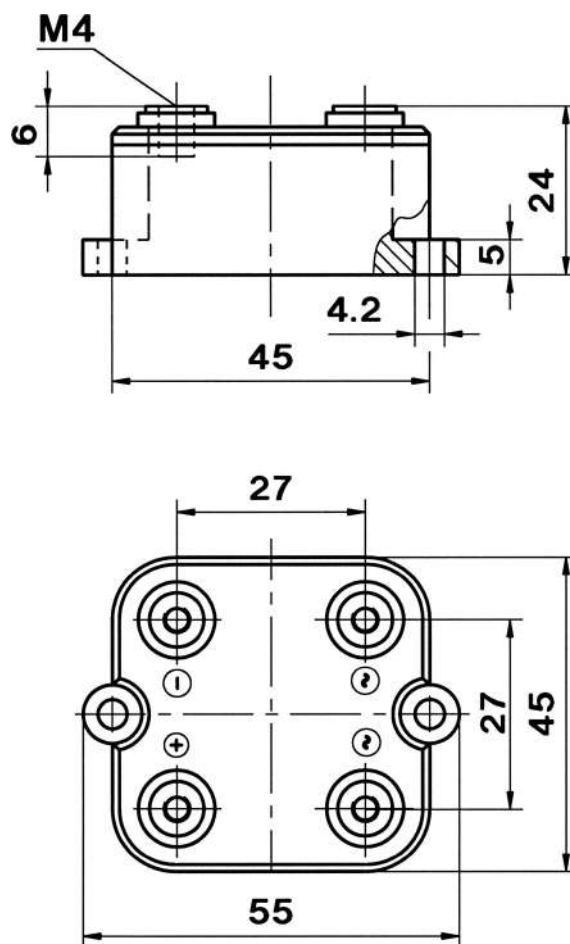


Fig. 9 Forward characteristics of a diode arm



Case G 12

\* The specifications of our components may not be considered as an assurance of component characteristics. Components have to be tested for the respective application. Adjustments may be necessary. The use of SEMIKRON products in life support appliances and systems is subject to prior specification and written approval by SEMIKRON. We therefore strongly recommend prior consultation of our personal.

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**email minsk17@tut.by tel.+375 29 758 47 80 МТС**

Мы не работаем с частными (физическими) лицами.

Мы работаем только с юридическими лицами(организациями) и ИП и только по безналичному расчёту.

**каталог, описание, технические, характеристики, datasheet, параметры, маркировка, габариты, фото**

# КАТАЛОГ SEMIKRON 2017/2018 МИНСК

## модуль semikron, igbt, мост диодный

купить, продажа

MiniSKiP



SEMPACK



10  
7  
9  
V  
C  
R  
C

SEMTOP



Full SiC



SEMTOP



1  
T  
E  
T  
D  
S  
E

SEMTRANS



SEMIX



2  
4  
5  
T  
V  
C  
R

SEMIX



Hybrid SiC



SKiiP



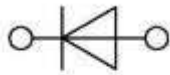
SEMISTART



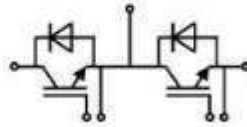
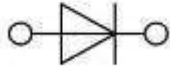
1  
V  
C  
R  
C

SKiM





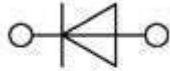
### Power Bridge Rectifiers



### SEMISTACK Classics



### SEMPONT



### SEMITEACH



### SEMIX



### PT 22b3 RoHS

Pulse Transformer

Part Number: 97492890

Manufacturer: SEMIKRON

[datasheet](#)

[Product Details >>](#)

● Current delivery time approx. 10 weeks



### Axial fan 230V 119x38m 150m3/h

Fan

V 230 V

Part Number: 30031061

Manufacturer: SEMIKRON

[datasheet](#)




## Thermal paste P12

Thermal paste

Part Number: 31867700

Manufacturer: SEMIKRON

 [datasheet](#)