



OTHER SYMBOLS:

SKB3312, SKB33 12, SKB33/12

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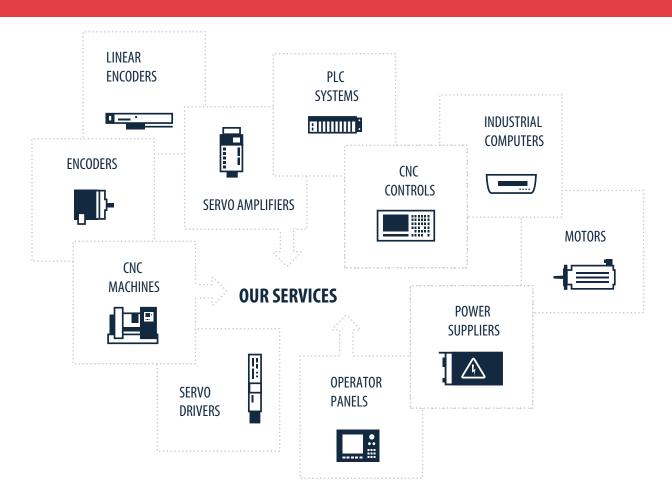


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Repair this product with RGB ELEKTRONIKA

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At our premises in Wrocław, we have a fully equipped servicing facility. Here we perform all the repair works and test each later sold unit. Our trained employees, equipped with a wide variety of tools and having several testing stands at their disposal, are a guarantee of the highest quality service.



Controllable Bridge Rectifiers

SKB 33

Features

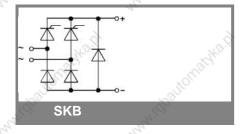
- Half controlled, single phase rectifier with freewheeling diode
- Isolated metal case with screw terminals
- Blocking voltage up to 1200 V
- High surge currents
- Easy chassis mounting

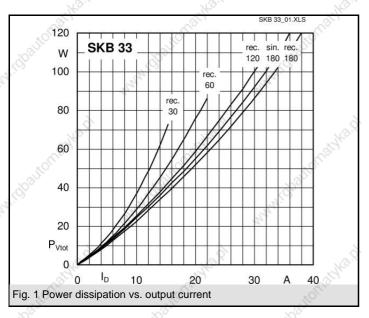
Typical Applications

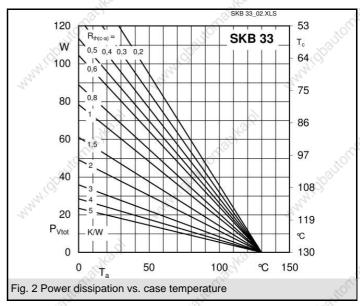
- Power supplies for electronic equipment
- DC motors
- Field rectifiers for DC motors
- Battery charger rectifiers
- Freely suspended or mounted on an insulator
- 2) Mounted on a painted metal sheet of min.250 x 250 x 1 mm

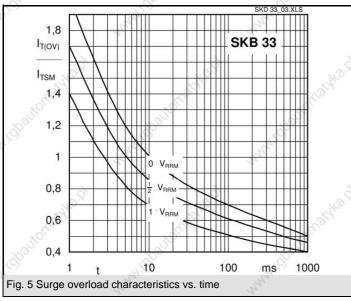
V _{RSM}	V _{RRM} , V _{DRM}	I _D = 33 A (full conduction)	,
V xoff	V	(T _c = 62 °C)	70x
300	200	SKB 33/02	32
500	400	SKB 33/04	
700	600	SKB 33/06	
900	800	SKB 33/08	
1100	1000	SKB 33/10	
1300	1200	SKB 33/12	
	1/2	7/2	

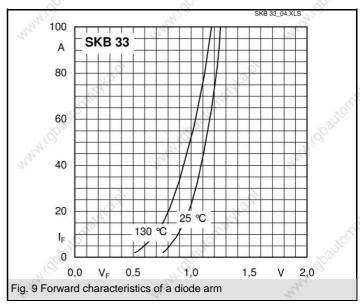
	101	10%	
Symbol	Conditions	Values	Units
I _D	T _a = 45 °C	6,5	Α
'95,	isolated 1)	100	800
"Ay	T _a = 45 °C; chassis ²⁾	14	Α
May	T _a = 45 °C; P1A/120	24	Α
	T _a = 35 °C; P1A/120 F	32	Α
I _{TSM} , I _{FSM}	T _{vi} = 25 °C; 10 ms	370	Α
	T _{vj} = 130 °C; 10 ms	340	Α
i²t	T _{vj} = 25 °C; 8,3 10 ms	680	A²s
	T _{vi} = 130 °C; 8,3 10 ms	580	A²s
V _T	T _{vi} = 25 °C; I _T =75 A	max. 2,4	SV
$V_{T(TO)}$	T _{vi} = 130 °C;	max. 1	V
r _T	T _{vi} = 130 °C	max. 15	mΩ
I _{DD} ; I _{RD}	$T_{vj} = 130 \text{ °C}; V_{DD} = V_{DRM}; V_{RD} = V_{RRM}$	max. 10	mA
t _{gd}	$T_{vi} = 25 ^{\circ}\text{C}; I_{G} = 1 \text{A}; di_{G}/dt = 1 \text{A/}\mu\text{s}$	1 (8)	μs
t _{gr}	$V_D = 0.67 \cdot V_{DRM}$	1,316	μs
(dv/dt) _{cr}	T _{vi} = 130 °C	max. 200	V/µs
(di/dt) _{cr}	T _{vi} = 130 °C; f = 50 Hz	max. 50	A/µs
t _q	T _{vi} = 130 °C; typ.	80	μs
IH TAY	$T_{vj} = 25 ^{\circ}\text{C}$; typ. / max.	20 / 200	mA
2/2	T_{vj} = 25 °C; R_G = 33 Ω ; typ. / max.	80 / 400	mA
V _{GT}	T _{vi} = 25 °C; d.c.	min. 3	V
I_{GT}	$T_{vj} = 25 ^{\circ}\text{C}; \text{d.c.}$	min. 100	mA
V_{GD}	$T_{vj} = 130 ^{\circ}\text{C}; \text{d.c.}$	max. 0,25	V
I_{GD}	T _{vj} = 130 °C; d.c.	max. 3	mA
R _{th(j-c)}	per thyristor / diode	2,6	K/W
'90,	total	0,65	K/W
$R_{th(c-s)}$	total	0,06	K/W
27	27,	10 . 100	00
T _{vj}		- 40 + 130	°C
T _{stg}	(2,	- 55 + 150	°C
V _{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3000 (2500)	V
M _s	to heatsink	5 ± 15 %	Nm
M _t	to terminals	3 ± 15 %	Nm
m 💯	, 30°°	250	√g
Case	"May,	G 16	

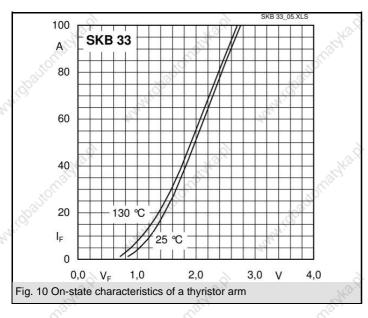


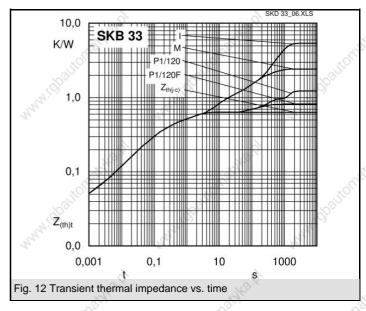


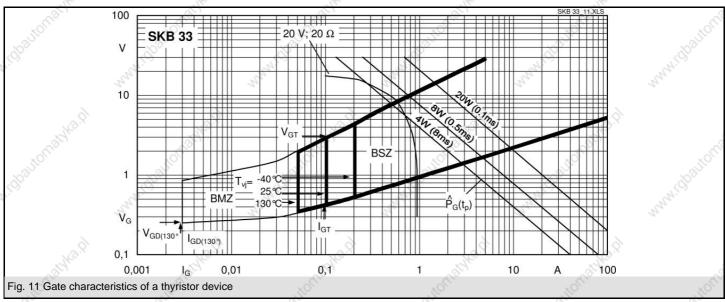


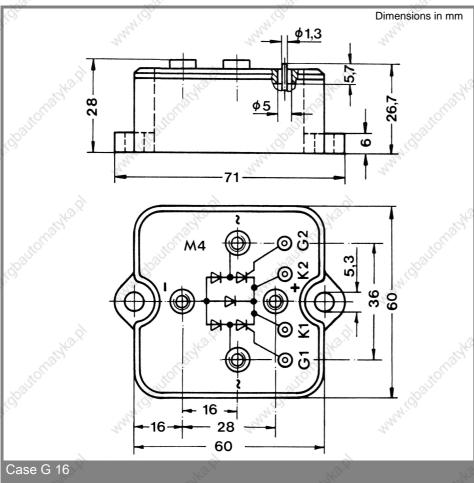












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