

V _{RSM} , V _{RRM}	V_{VRMS}	I _D = 17 A (T _c = 75 °C)	C _{max}	R_{min}
V	V	Types	μF	Ω
100		SKB 25/01		0,1
200		SKB 25/02		0,15
400		SKB 25/04		0,3
600		SKB 25/06		0,5
800		SKB 25/08		0,7
1200		SKB 25/12		1
1400		SKB 25/14		1,2
1600		SKB 25/16		1,5

Power Bridge Rectifiers

SKB 25

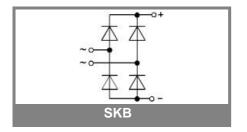
Features

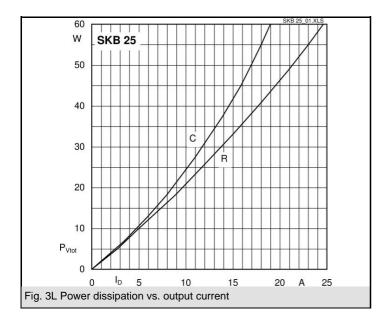
- Square plastic case with isolated metal base plate and fast-on connectors
- Blocking voltage up to 1600 V
- · High surge current
- Easy chassis mounting
- UL recognized, file no. E 63 532

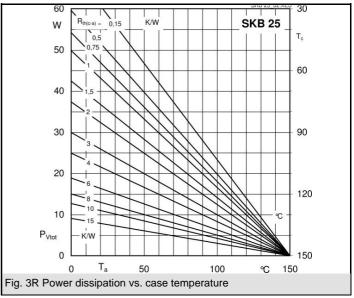
Typical Applications

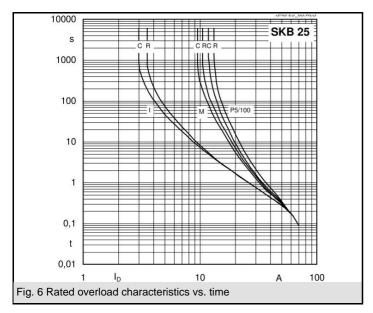
- Rectifier for power supplies
- Input rectifier for variable frequency drives
- Rectifier for DC motor field supplies
- · Battery charger rectifiers
- Recommended snubber network: RC: 50 Ω , 0.1 μ F (P $_R$ = 1 W)
- Freely suspended or mounted on an insulator
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

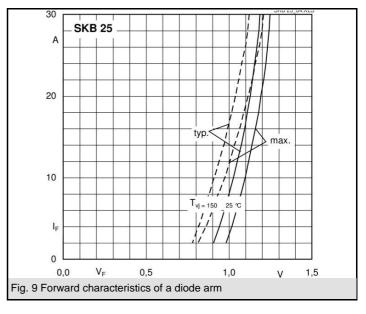
Symbol	Conditions	Values	Units
I _D	T _a = 45 °C, isolated ¹⁾	3,5	Α
	$T_a = 45 ^{\circ}\text{C}, \text{ chassis}^{2)}$	10	Α
I _{DCL}	T _a = 45 °C, isolated ¹⁾	3	Α
	T _a = 45 °C, chassis ²⁾	9,5	Α
I _{FSM}	T _{vi} = 25 °C, 10 ms	370	А
	$T_{vi} = 150 ^{\circ}\text{C}, 10 \text{ms}$	320	Α
i²t	T _{vj} = 25 °C, 8,3 10 ms	680	A²s
	T _{vj} = 150 °C, 8,3 10 ms	500	A²s
V_{F}	T _{vi} = 25°C, I _F = 150 A	max. 2,2	V
V _(TO)	$T_{vi} = 150^{\circ}C$	0,85	V
r _T	T _{vi} = 150°C	12	mΩ
I_{RD}	$T_{vj} = 25$ °C, $V_{RD} = V_{RRM}$	300	μA
I_{RD}	$T_{vj} = 150$ °C, $V_{RD} = V_{RRM}$	5	mA
t _{rr}	T _{vj} = 25°C	10	μs
f_G		2000	Hz
R _{th(j-a)}	isolated ¹⁾	15	K/W
(=/	chassis ²⁾	4,7	K/W
R _{th(j-c)}	total	2	K/W
R _{th(c-s)}	total	0,15	K/W
T _{vj}		- 40 + 150	°C
T _{stg}		- 55 + 150	°C
V _{isol}	a.c. 50 60 Hz; r.m.s.; 1 s / 1 min.	3000 / 2500	V~
M _s	to heatsink	2 ± 15 %	Nm
M_t			Nm
m		24	g
Fu		20	А
Case		G 10a	

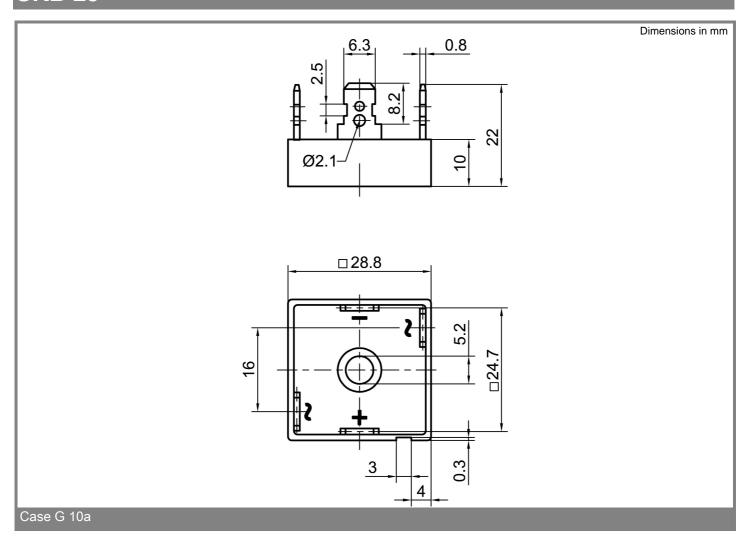












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