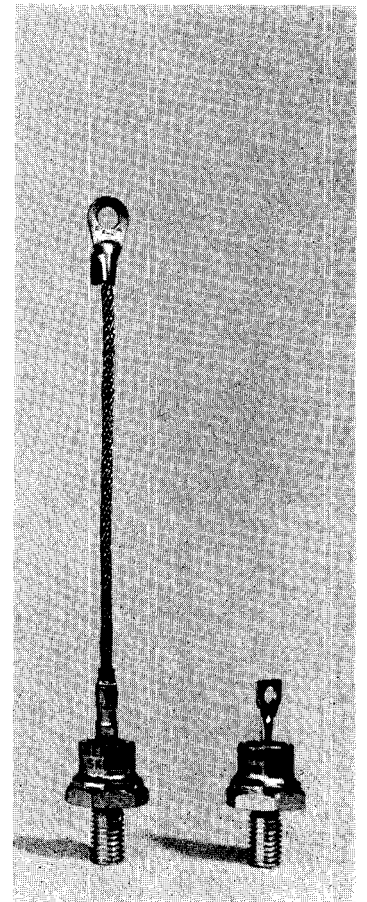
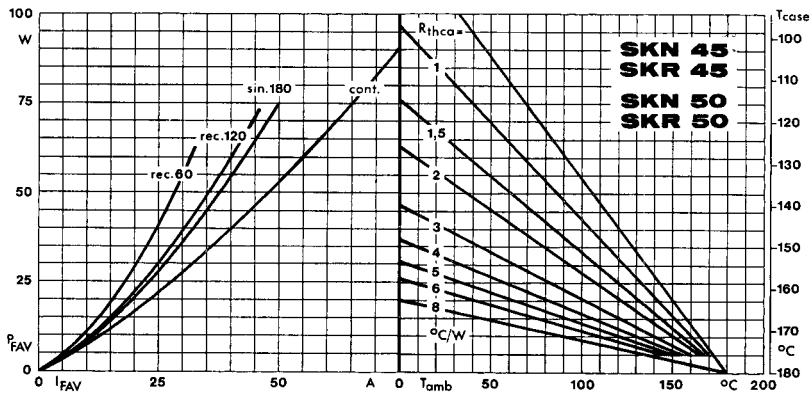


SKN 45/SKR 45, SKN 50/SKR 50

$I_{FRMS} = 80 \text{ A}; I_{FAV} = 50 \text{ A}$

	SKN 45/04 SKR 45/04 SKN 50/04 SKR 50/04	SKN 45/08 SKR 45/08 SKN 50/08 SKR 50/08	SKN 45/12 SKR 45/12 SKN 50/12 SKR 50/12	SKN 45/14 SKR 45/14 SKN 50/14 SKR 50/14	SKN 45/16 SKR 45/16 SKN 50/16 SKR 50/16
V_{RSM} V_{RRM}	400 V 400 V	800 V 800 V	1200 V 1200 V	1400 V 1400 V	1600 V 1600 V
I_{FAV} I_{FRMS}	(T _{case} = 100 °C, sin. 180 °el) (T _{case} = 125 °C, sin. 180 °el)		50 A 45 A		
I_{FAV}	(sin. 180 °el) (rec. 120 °el)	K 5 20 A 19 A	K 3 28 A 27 A	K 1,1 43 A 40 A	
I_{FSM} i^2t	(T _{vi} = 25 °C) (T _{vi} = 180 °C) (T _{vi} = 180 °C, ≥ 10 ms) (T _{vi} = 180 °C, 5 ms)	700 A 600 A 1800 A²s 1300 A²s			
I_R V_F $V_{(TO)}$ r_f t_{rr} Q_{rr}	(T _{vi} = 25 °C, 70 % V _{RRM}) (I _F = 350 A) (T _{vi} = 25 °C) (T _{vi} = 25 °C) (T _{vi} = 25 °C) (T _{vi} = 150 °C)	max. 0,3 mA max. 2,0 V 0,85 V 5 mΩ typ. 15 μs typ. 40 μC			
R_{thic} R_{thch} T_{vi} T_{stg}	typ. 0,85 °C/W typ. 0,25 °C/W - 40 ... + 180 °C - 55 ... + 180 °C				
M a w RC R_p Ex	4 Nm 5 · 9,81 m/s² ca. 30 g 0,1 μF + 100 Ω (1 W) 80 kΩ (6 W) SKN 45/04				





	$R_{\theta ca}$
K 5	5,25 °C/W
K 3	3,25 °C/W
K 1,1	1,35 °C/W

Fig. 1

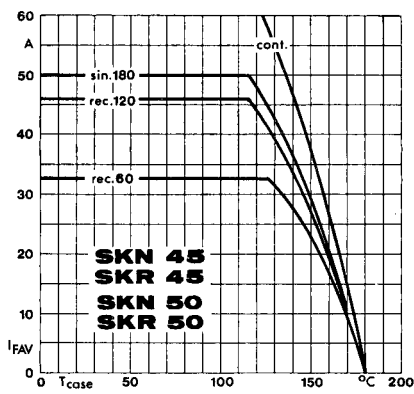


Fig. 2

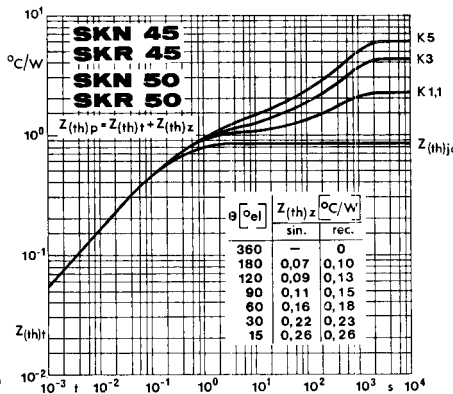


Fig. 3

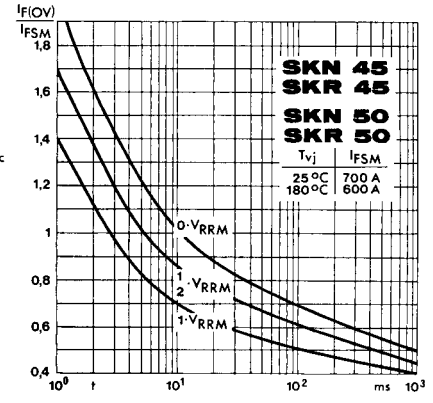


Fig. 4

SKN 45/SKR 45

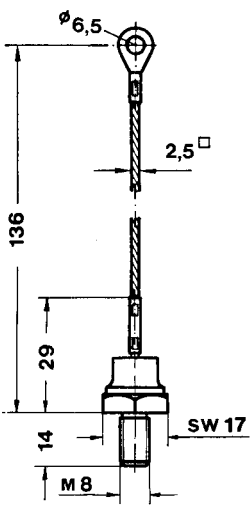


Fig. 11



S0: IEC-Publ. 191-2: A 17 MA 2
 DIN 41 886: (103 A 2)
 BS 3934: S0-32 B

SKN 50/SKR 50

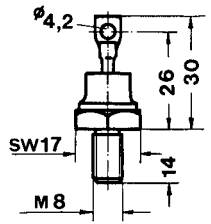
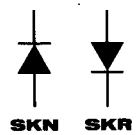


Fig. 11



S0: IEC-Publ. 191-2: A 37 MB
 DIN 41 886: 103 D 2
 BS 3934: (S0-14 A)
 JEDEC: (D0-5)