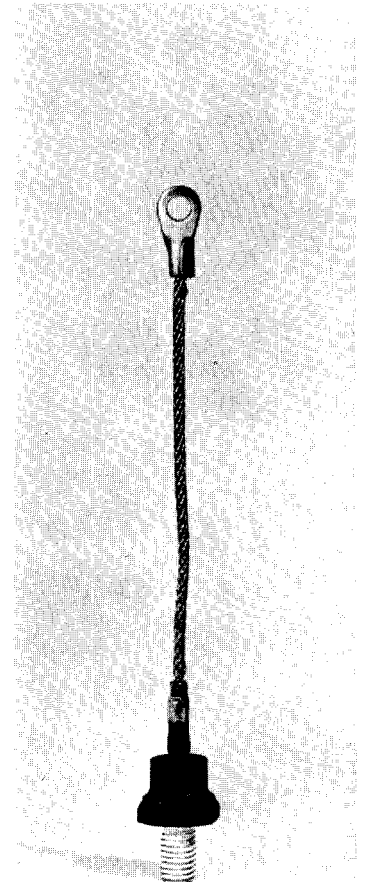


SKN 4 F 45

$I_{FRMS} = 80 \text{ A}; I_{FAV} = 45 \text{ A}$

	SKN 4 F 45/02	SKN 4 F 45/04	SKN 4 F 45/06	SKN 4 F 45/08	SKN 4 F 45/10
V_{RSM}	200 V	400 V	600 V	800 V	1000 V
V_{RRM}	200 V	400 V	600 V	800 V	1000 V
I_{FAV}	(T _{case} = 90 °C, sin. 180 °el)		45 A		
I_{FRMS}	80 A				
I_{FAV}	(sin. 180 °el) (rec. 120 °el)	K 5	K 3	K 1,1	
		12 A	19 A	34 A	
		11 A	18 A	32 A	
I_{FSM}	(T _{vi} = 25 °C)	600 A			
	(T _{vi} = 130 °C)	500 A			
i^2t	(T _{vi} = 130 °C, ≥ 10 ms)	1250 A ² s			
	(T _{vi} = 130 °C, 5 ms)	900 A ² s			
I_R	(T _{vi} = 25 °C, 70 % V _{RRM})	max. 1 mA			
V_F	(I _F = 150 A)	max. 1,55 V			
$V_{(TO)}$	(T _{vi} = 25 °C)	1,0 V			
r_f	(T _{vi} = 25 °C)	2,5 mΩ			
t_{rr}	(T _{vi} = 25 °C)	max. 0,4 μs			
	(T _{vi} = 130 °C)	typ. 0,8 μs			
Q_{rr}	(T _{vi} = 130 °C, I _{FM} = 50 A, – $\frac{di}{dt} = 10 \text{ A}/\mu\text{s}$)	typ. 1,8 μC			
R_{thjc}	typ. 0,65 °C/W				
R_{thch}	typ. 0,25 °C/W				
T_{vi}	– 40 ... + 130 °C				
T_{stg}	– 55 ... + 180 °C				
M	4 Nm				
a	5 · 9,81 m/s ²				
w	ca. 30 g				
Ex	SKN 4 F 45/06				



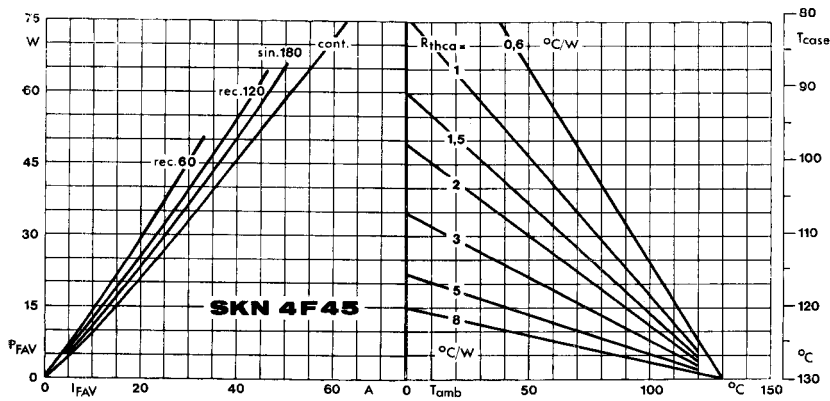


Fig. 1

	R_{thca}
K 3	5,25 °C/W
K 5	3,25 °C/W
K 1,1	1,35 °C/W

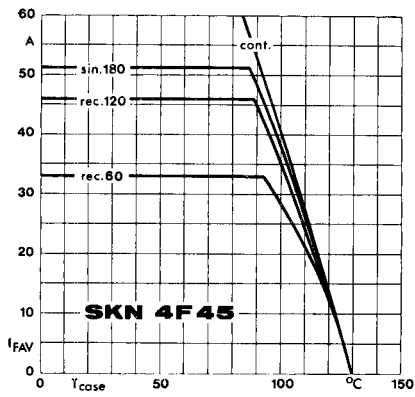


Fig. 2

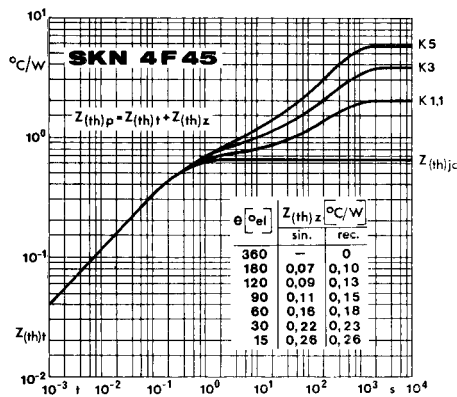


Fig. 3

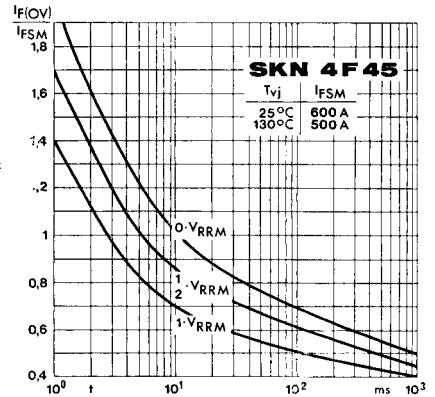


Fig. 4

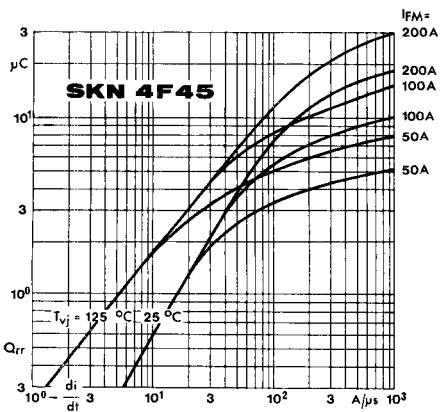


Fig. 10

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

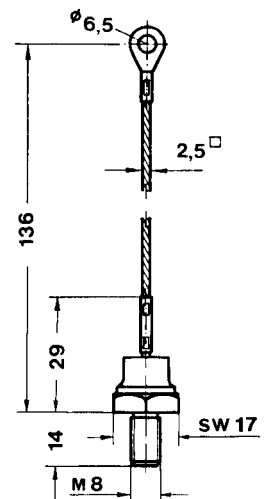


Fig. 11