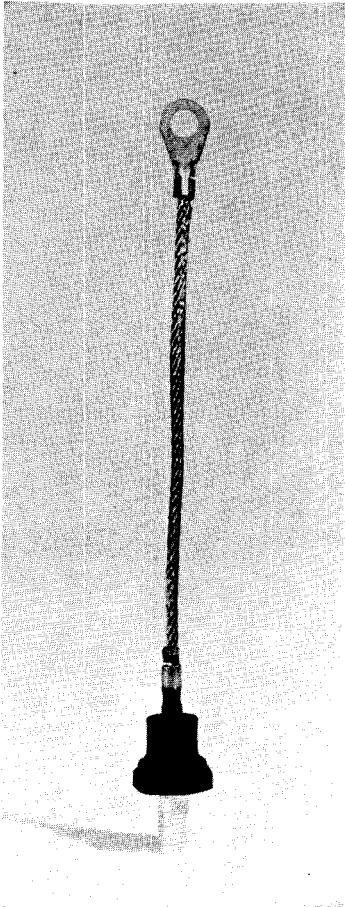


	SKN 20/04 SKR 20/04	SKN 20/08 SKR 20/08	SKN 20/12 SKR 20/12	SKN 20/14 SKR 20/14	SKN 20/16 SKR 20/16
V _{RSM} V _{RRM}	400 V 400 V	800 V 800 V	1200 V 1200 V	1400 V 1400 V	1600 V 1600 V
I _{FAV} I _{FRMS} I _{FAV}	(T _{case} = 100 °C, sin. 180 °el) (T _{case} = 125 °C, sin. 180 °el) (sin. 180 °el) (rec. 120 °el)	25 A 20 A K 9 10 A 9,5 A	42 A K 5 13,5 A 13 A	 K 3 17 A 16 A	
I _{FSM} i ² t	(T _{vi} = 25 °C) (T _{vi} = 180 °C)	380 A 320 A			
	(T _{vi} = 180 °C, ≥ 10 ms) (T _{vi} = 180 °C, 5 ms)	510 A²s 370 A²s			
I _R V _F V _(TO) r _f t _{rr} Q _{rr}	(T _{vi} = 25 °C, 70 % V _{RRM}) (I _F = 150 A) (T _{vi} = 25 °C) (T _{vi} = 25 °C) (T _{vi} = 25 °C) (T _{vi} = 150 °C)	max. 0,15 mA max. 1,9 V 0,85 V 15 mΩ typ. 15 μs typ. 20 μC			
R _{thic} R _{thch} T _{vi} T _{stg}		typ. 1,6 °C/W typ. 0,5 °C/W - 40 ... + 180 °C - 55 ... + 180 °C			
M a w RC R _p Ex		2 Nm 5 · 9,81 m/s² ca. 10 g 0,05 μF + 200 Ω (1 W) 150 kΩ (4 W) SKR 20/04			



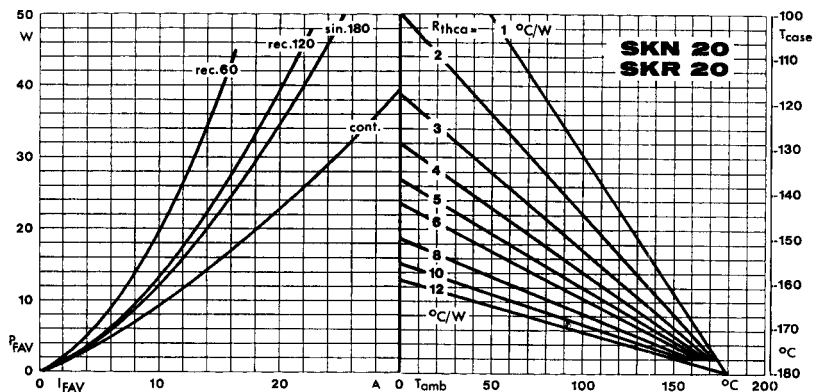


Fig. 1

	R_{thca}
K 9	9,5 °C/W
K 5	5,5 °C/W
K 3	3,5 °C/W

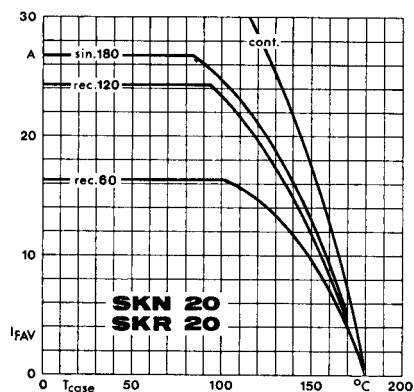


Fig. 2

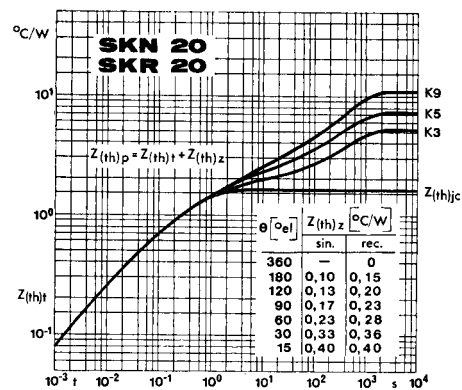


Fig. 3

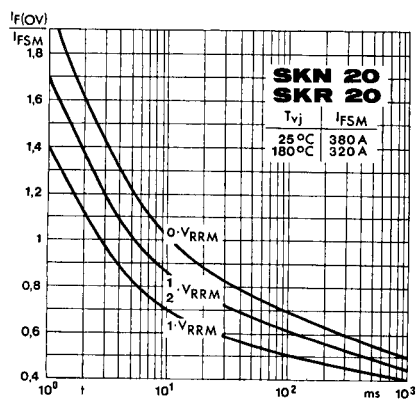
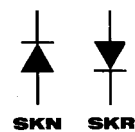


Fig. 4



S0: DIN 41 886: (102 A 2)

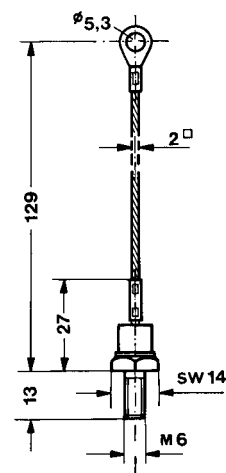


Fig. 11