SKN 20/SKR 20

I_{FRMS} = 42 A; I_{FAV} = 20 A

	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}	400 V	800 V	1200 V	1400 V	1600 V
V_{RRM}	400 V	800 V	1200 V	1400 V	1600 V

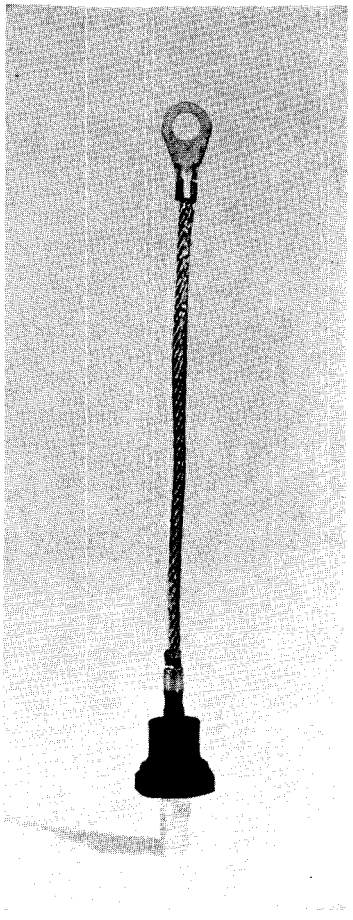
I_{FAV}	(T_{case} = 100 °C, sin. 180 °el)	25 A	
	(T_{case} = 125 °C, sin. 180 °el)	20 A	
I_{FRMS}		42 A	
		K 9	**K 5**	**K 3**
I_{FAV}	(sin. 180 °el)	10 A	13,5 A	17 A
	(rec. 120 °el)	9,5 A	13 A	16 A

I_{FSM}	(T_{vj} = 25 °C)	380 A
	(T_{vj} = 180 °C)	320 A
i^2t	(T_{vj} = 180 °C, ≥ 10 ms)	510 A²s
	(T_{vj} = 180 °C, 5 ms)	370 A²s

I_R	(T_{vj} = 25 °C, 70 % V_{RRM})	max. 0,15 mA
V_F	(I_F = 150 A)	max. 1,9 V
$V_{(TO)}$	(T_{vj} = 25 °C)	0,85 V
r_f	(T_{vj} = 25 °C)	15 mΩ
t_{rr}	(T_{vj} = 25 °C)	typ. 15 µs
Q_{rr}	(T_{vj} = 150 °C)	typ. 20 µC

R_{thjc}	typ. 1,6 °C/W
R_{thch}	typ. 0,5 °C/W
T_{vj}	− 40 . . . + 180 °C
T_{stg}	− 55 . . . + 180 °C

M	2 Nm
a	5 · 9,81 m/s²
w	ca. 10 g
RC	0,05 µF + 200 Ω (1 W)
R_P	150 kΩ (4 W)
Ex	SKR 20/04



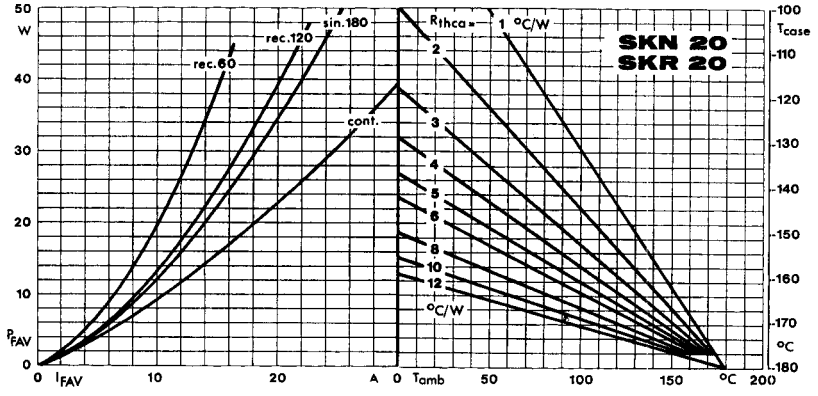


Fig. 1

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

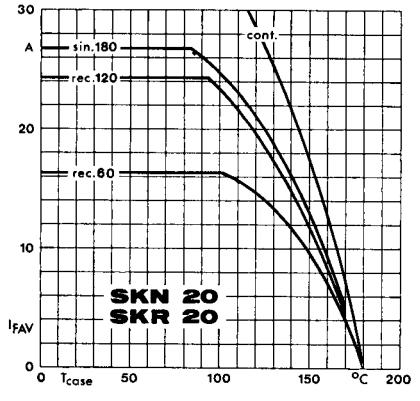


Fig. 2

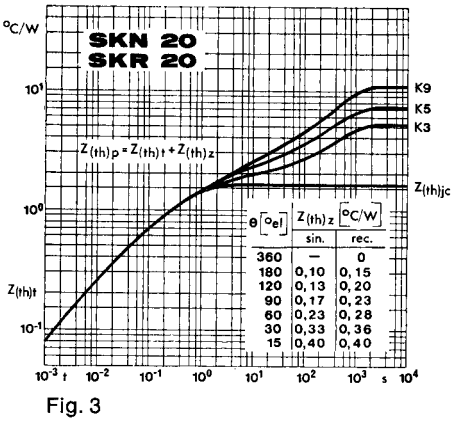


Fig. 3

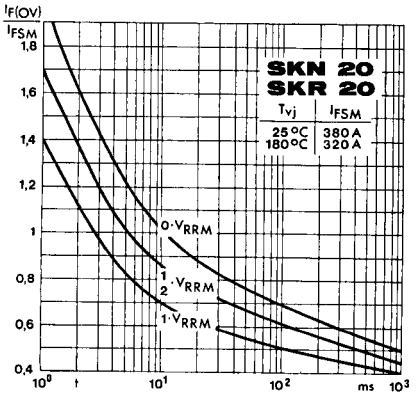


Fig. 4

S0: DIN 41 886: (102 A 2)

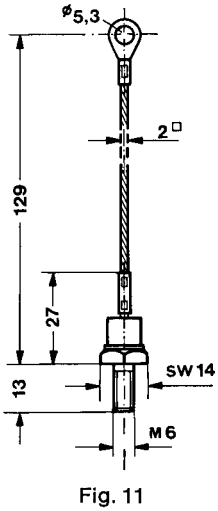


Fig. 11