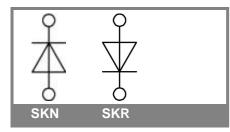
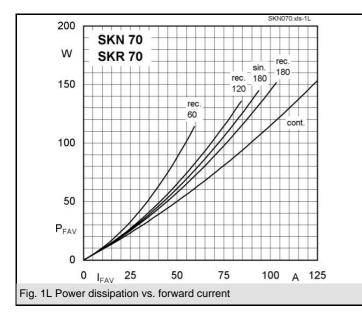
SKN 70

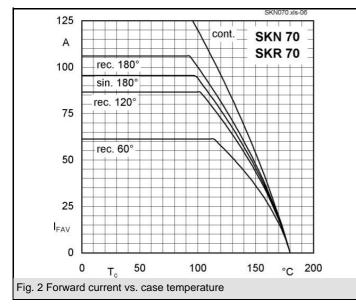
	V _{RSM}	V _{RRM}	I _{FRMS} = 150 A (maximum value for continuous operation)		ous operation)	
	V	V	I _{FAV} = 70 A (sin. 180; T _c = 125 °C)		°C)	
	400	400	SKN 70/04	SKR 70/04		
	800	800	SKN 70/08	SKR 70/08		
	1200	1200	SKN 70/12	SKR 70/12		
	1400	1400	SKN 70/14	SKR 70/14		
	1600	1600	SKN 70/16	SKR 70/16		
	Symbol	Conditions		Values	Units	
	I _{FAV}	sin. 180; T _c = 100 °C		95	А	
Stud Diode	I _D	K 1,1; T _a = 45 °C; B2 / B6		112 / 159	А	
		K 1,1F; T _a = 35 °C; B2 / B6		174 / 246	А	
Rectifier Diode	I _{FSM}	T _{vj} = 25 °C; 10 ms		1150	А	
		T _{vj} = 180 °C; 10 ms		1000	A	
	i²t	T _{vj} = 25 °C; 8,3 10		6600	A²s	
		T _{vj} = 180 °C; 8,3 ′	10 ms	5000	A²s	
SKN 70	V _F			max. 1,5	V	
SKR 70	V _(TO)	T _{vi} = 180 °C		max. 0,85	V	
SKK 70	r _T	T _{vj} = 180 °C		max. 3	mΩ	
	I _{RD}	T _{vj} = 180 °C; V _{RD} = 1	V _{RRM}	max. 10	mA	
	Q _{rr}	T _{vj} = 160 °C; - di _F /dt = 10 A/µs		70	μC	
	R _{th(j-c)}			0,55	K/W	
	R _{th(c-s)}			0,2	K/W	
Features	T _{vj}			- 40 + 180	0°C	
Reverse voltages up to 1600 V	T _{stg}			- 55 + 180	0°C	
Hermetic metal case with glass	V _{isol}			-	٧~	
insulator	M _s to heatsink			4	Nm	
 Threaded stud ISO M8 	a			5 * 9,81	5 * 9,81 m/s²	
 SKN: anode to stud, 	m approx.		30	g		
SKR: cathode to stud	Case			E 12		
Typical Applications						

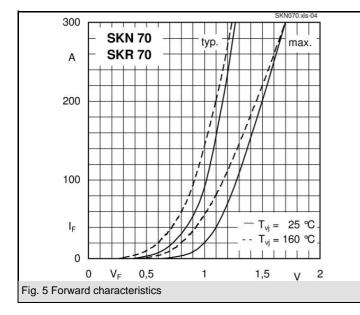
Typical Applications

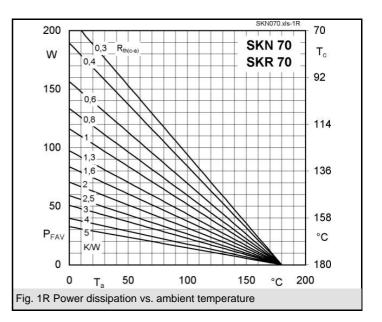
- All-purpose mean power rectifier diodes
- Cooling via heatsinks
- Non-controllable and half-controllable rectifiers
- Free-wheeling diodes
- Recommended snubber network: RC: 0,1 μ F, 100 Ω (P $_{\rm R}$ = 2 W) R $_{\rm P}$ = 80 k Ω (P $_{\rm R}$ = 6 W)

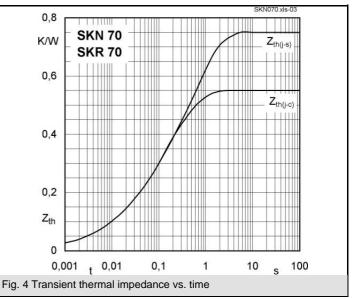


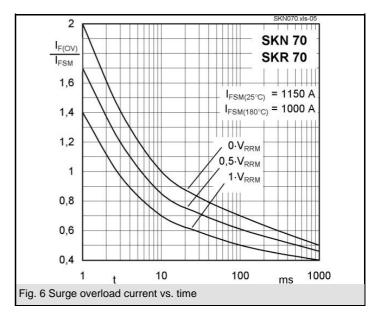




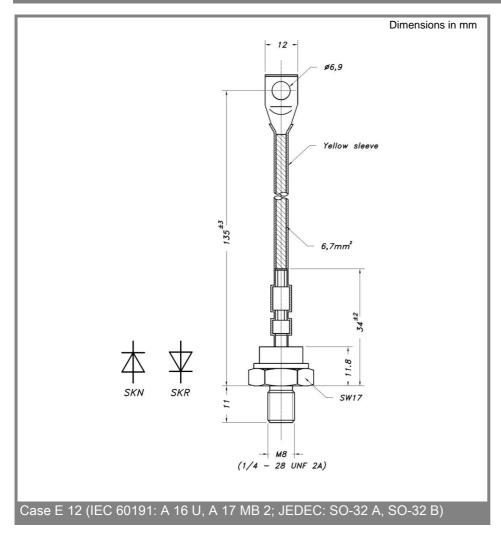








SKN 70



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