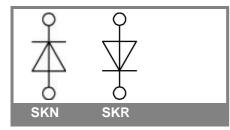
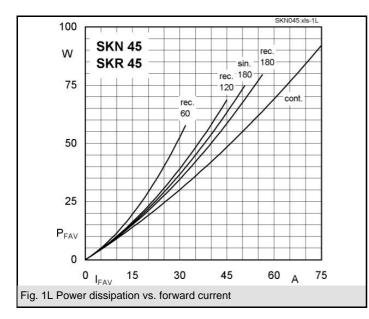
SKN 45

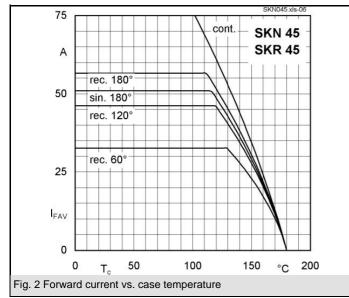
	V _{RSM} V 400 800 1200 1400 1600	V _{RRM} V 400 800 1200 1400 1600		aximum value for continuo 45 A (sin. 180; T _c = 125 ° SKR 45/04 SKR 45/08 SKR 45/12 SKN 45/14 SKR 45/16	
	Symbol Conditions			Values	Units
	I _{FAV}	sin. 180; T _c = 100 °C	2	50	A
Stud Diode	I _D	K 5; T _a = 45 °C; B2 / B6		40 / 57	А
		K 1,1; T _a = 45 °C; B2	2 / B6	86 / 120	А
Rectifier Diode	I _{FSM}	T _{vj} = 25 °C; 10 ms		700	A
	T _{vj} = 180 °C; 10 ms		600	A	
	i²t	vj, -,		2500	A²s
		T _{vj} = 180 °C; 8,3 10 ms		1800	A²s
KN 45	V _F			max. 1,6	V
SKR 45	$V_{(TO)}$ $T_{vj} = 180 \ ^{\circ}C$			max. 0,85 V	
	r_{T} $T_{vj} = 180 ^{\circ}\text{C}$		max. 5 mg max. 10 m/		
	I_{RD} $T_{vj} = 180 \text{ °C}; V_{RD} = V_{RRM}$		70	mA µC	
	Q _{rr}	,			
	R _{th(j-c)}	R _{th(j-c)}		0,85 0,25	K/W K/W
eatures	R _{th(c-s)} T _{vj}			- 40 + 180	
Reverse voltages up to 1600 V	T _{stg}			- 55 + 180	
Hermetic metal case with glass	V _{isol}			-	V~
insulator	M _s	to heatsink		4	Nm
Threaded stud ISO M8	a			5 * 9,81	m/s²
SKN: anode to stud,					
SKN: anode to stud,	m	approx.		30	g

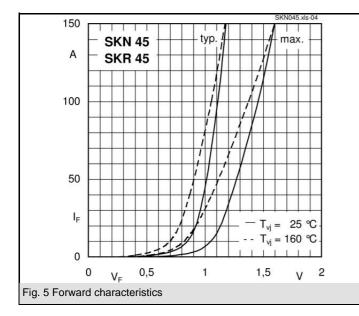
Typical Applications

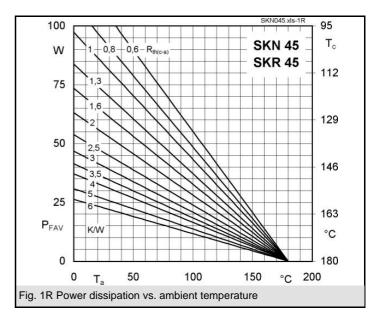
- All-purpose mean power rectifier diodes
- Cooling via heatsinks
- · Non-controllable and half-controllable rectifiers
- Free-wheeling diodes
- Recommended snubber network: RC: 0,1 μ F, 100 Ω (P $_{R}$ = 1 W) R $_{P}$ = 80 k Ω (P $_{R}$ = 6 W)

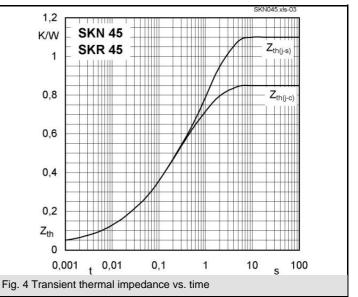


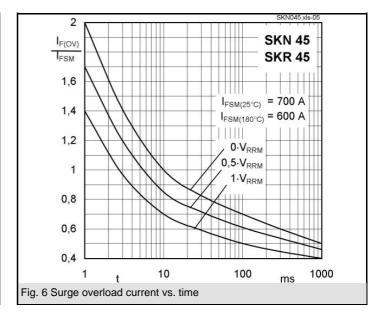




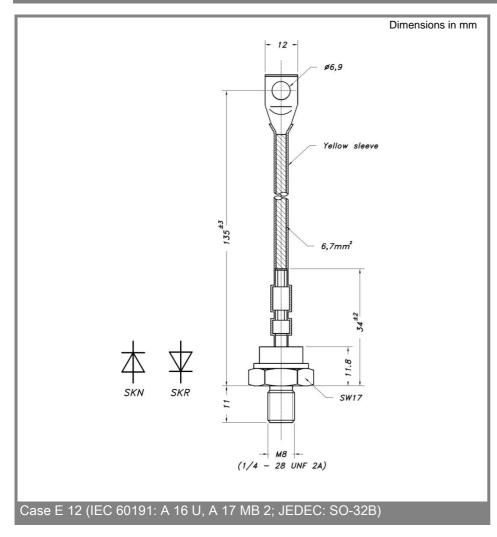








SKN 45



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