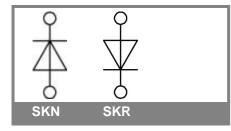
SKN 320

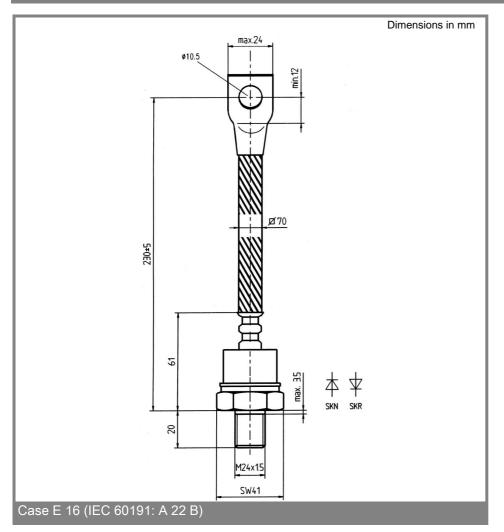
	V _{RSM}		V _{RRM}	I _{FRMS} = 700 A (maximum value for continuous operation)			
	V		V		320 A (sin. 180; T _c = 125 °C)		
	400		400	SKN 320/04	SKR 320/04		
	800		800	SKN 320/08	SKR 320/08		
	1200		1200	SKN 320/12	SKR 320/12		
	1400		1400	SKN 320/14	SKR 320/14		
	1600		1600	SKN 320/16	SKR 320/16		
	Symbol Cond		nditions	ditions		Values U	
				80; T _c = 85 (100) °C		420)	Units A
Stud Diode	17.00		$P 1/200; T_a = 45 °C; B2 / B6$		480 /	,	A
	טי		,55F; T _a = 35 °C; B2 / B6		760 / 2		A
			$\Gamma_{vi} = 25 \text{ °C; } 10 \text{ ms}$		900		A
Rectifier Diode			= 180 °C; 10 ms		800	-	A
	$T_{vi} = 25 \text{ °C}; 8,3 \dots 10 \text{ ms}$			0 ms		400000 A	
	.,		_i = 180 °C; 8,3 10 ms		3000		A²s
SKN 320	$V_{\rm F}$ $T_{\rm vi} = 25 {}^{\circ}{\rm C}; I_{\rm F} = 1000 {\rm A}$				max.	max. 1,35	
SKR 320			= 180 °C			0,8	V
	r_{T} $T_{vi} = 180 °C$				max.	max. 0,45 mΩ	
			v _j = 180 °C; V _{RD} = V _{RRM}		max.	100	mA
			_{vj} = 160 °C; - di _F /dt = 10 A/μs		30	0	μC
	R _{th(j-c)}				0,1	6	K/W
	R _{th(c-s)}				0,01	15	K/W
Features	T _{vj}				- 40	+ 180	°C
Reverse voltages up to 1600 V	T _{stg}				- 55	+ 180	°C
Hermetic metal case with glass	V _{isol}	1			-		V~
insulator	M _s to heatsink		eatsink		60)	Nm
Threaded stud ISO M24 x 1,5	a				5 * 9	,81	m/s²
SKN: anode to stud,	m ap		approx.		50	0	g
SKR: cathode to stud	Case				E 1	6	
Typical Applications							
 All-purpose high power rectifier 							

- All-purpose high power rectifier diodes
- Cooling via heatsinks

- Non-controllable and • half-controllable rectifiers
- Free-wheeling diodes
- Recommended snubber network: RC: 1 μF, 20 Ω (P_R = 2 W), R_p = 25 kΩ (P_R = 20 W)



SKN 320



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