SKN 240, SKR 240



O(-1)	Б.		
Stud	17	OC	\triangle
\mathcal{O}_{LUUU}			No.

V _{RSM}	V _{RRM} V	I_{FRMS} = 500 A (maximum value for continuous operation) I_{FAV} = 240 A (sin. 180; T_c = 122 °C)		
400	400	SKN 240/04	SKR 240/04	
800	800	SKN 240/08	SKR 240/08	
1200	1200	SKN 240/12	SKR 240/12	
1400	1400	SKN 240/14	SKR 240/14	
1600	1600	SKN 240/16	SKR 240/16	
1800	1800	SKN 240/18	SKR 240/18	

Rectifier Diode

SKN 240 SKR 240

Features

- Reverse voltages up to 1800 V
- Hermetic metal case with glass insulator
- Cooling via heatsinks
- Threaded stud ISO M16 x 1,5, M20 x 1,5²⁾ or ³/₄ - 16 UNF 2A²⁾
- SKN: anode to studSKR: cathode to stud

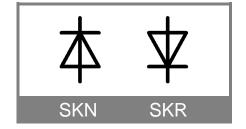
Typical Applications *

- All purpose high power rectifier diodes
- Non-controllable and halfcontrollable rectifiers
- Free-wheeling diodes
- Recommended snubber network:

R_C: 0,5 μ F, 30 Ω (P_R = 2W), R_p: 50 k Ω (P_R = 20 W)

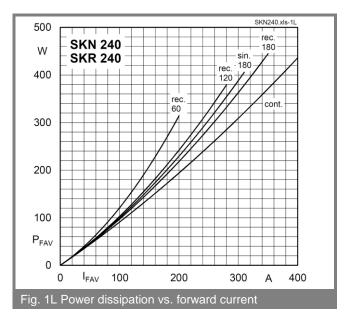
1) Mounting with grease-like thermal compound or joint contact compound 2) M16x1,5 is standard, "UNF" should be added in description for ¾ - 16 UNF thread, while "M20" must be added for M20x1,5 3) To include silicone sleeve, "C/ ESPAG." Should be added in description.

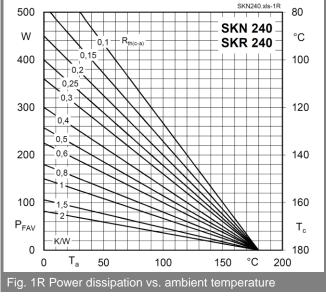
Symbol	Condition	Values	Units
I _{FAV}	sin. 180 ; $T_C = 95$ °C P 1/120; $T_a = 50$ °C; B2 / B6 P 1/120F; $T_a = 40$ °C; B2 / B6	320 279 / 404 535 / 762	A A A
I _{FSM}	$\begin{split} T_{vj} &= 25^{o} \text{ C} \; ; \; 10 \text{ ms} \\ T_{vj} &= 180^{o} \text{ C} \; ; \; 10 \text{ ms} \\ T_{vj} &= 25^{o} \text{ C} \; ; \; 8,310 \text{ ms} \\ T_{vj} &= 180^{o} \text{ C} \; ; \; 8,310 \text{ ms} \end{split}$	6000 5000 180000 125000	A A A ² s A ² s
V _F V _(TO) r _T I _{RD} Q _{rr}	$\begin{split} T_{vj} &= 25^{o} \text{ C, I}_{F} = 750 \text{ A} \\ T_{vj} &= 180^{o} \text{ C} \\ T_{vj} &= 180^{o} \text{ C} \\ T_{vj} &= 180^{o} \text{ C ; V}_{RD} = V_{RRM} \\ T_{vj} &= 160^{o} \text{ C, -di}_{F}/dt = 10 \text{ A/}\mu\text{s} \end{split}$	max. 1,4 max. 0,85 max. 0,6 max. 60 200	V V mΩ mA μC
Rth(j-c) Rth(c-s) Tvj Tstg		0,2 0,03 -40+180 -55+180	K/W K/W °C °C
V _{isol} M _s	M16 or ¾-16 UNF Stud M20 Stud M16 or ¾-16 UNF Stud (lubricated) ¹⁾ M20 Stud (lubricated) ¹⁾ approx.	- 30 40 22,5 30 5 * 9,81 250	V~ Nm Nm Nm Nm m/s² g
Case		E 15	

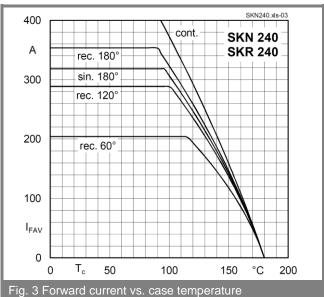


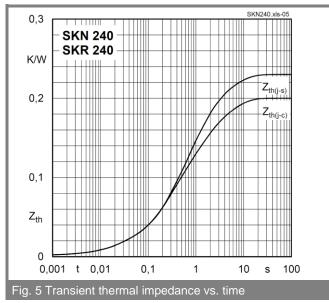
RP

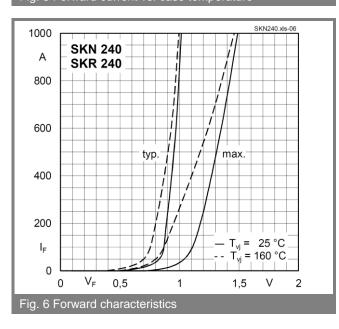
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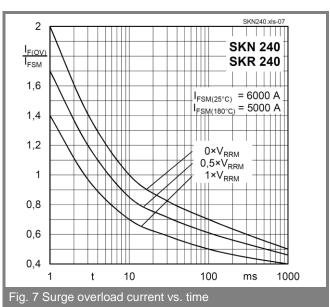


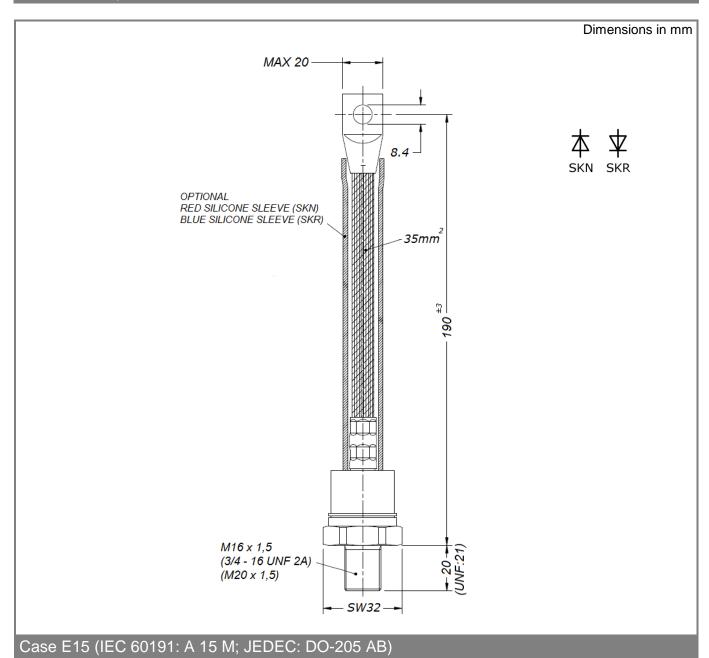












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