SKN 240, SKR 240



Stud Diode

VRSM	VRRM	IFRM5 500 A (maximum value for continuous operation)	
V	V	IFAV = 240 A (sin. 180; T = 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 IFAV SKN 240 ID SKR 240 IFSM Features i2t 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 ¾ - 16 UNF 2A2) SKN: anode to stud SKR: cathode to stud

Typical Applications * Tvj

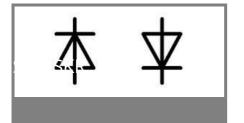
☐ All purpose high power rectifier Tst diodes
☐ Non-controllable and half-Visol controllable rectifiers Ms
☐ Free-wheeling diodes
☐ Recommended snubber network:

RC: 0,5 µF, 30 ☐ (P = 2W), a R

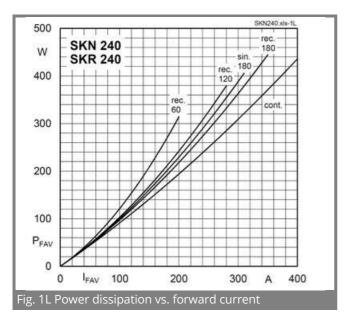
1) Mounting with grease-like thermal compound or joint contact compound 2) M16x1,5 is standard, "UNF" should be added in description for ¾ - 16 UNF thread, while "M20" must be added for M20x1,5 3) To include silicone sleeve, "C/ ESPAG." Should be added in description.

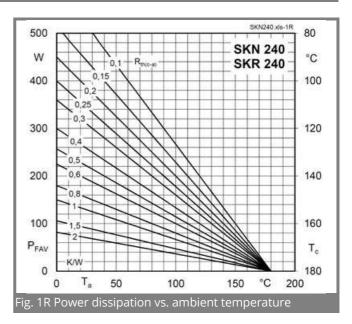
Rp: 50 k□ (PR = 20 W)

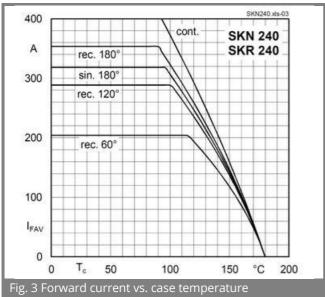
Symbol	Condition	Values	Units
	sin. 180 ; TC = 95 °C P 1/120; Ta = 50°C; B2 / B6 P 1/120F; Ta = 40°C; B2 / B6	320 279 / 404 535 / 762	A A A
V(TO)	Tvj = 25° C; 10 ms Tvj = 180° C; 10 ms Tvj = 25° C; 8,310 ms Tvj = 180° C; 8,310 ms Tvj = 25° C, IF = 750 A Tvj = 180° C Tvj = 180° C Tvj = 180° C; VRD = VRRM Tvj = 160° C, -diF/dt = 10 A/µs	6000 5000 180000 125000 max. 1,4 max. 0,85 max. 0,6 max. 60 200	A A2s A2s V m mA µC
Rth(j-c) th(c-s)	M16 or ¾-16 UNF Stud	0,2 0,03 -40+180 -55+180	' K/W K/W °C °C V~
	M20 Stud M16 or ¾-16 UNF Stud (lubricated) M20 Stud (lubricated)1) approx.	30 40 22,5 30 5 * 9,81 250	Nm Nm Nm Nm Nm m/s2
Case			

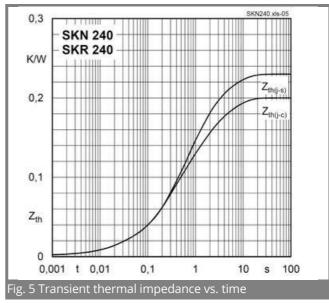


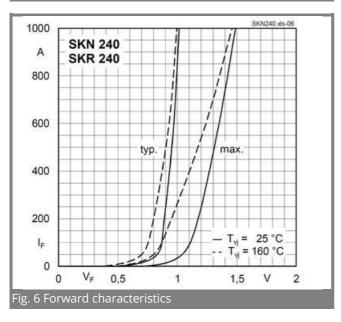
SKN 240, SKR 240

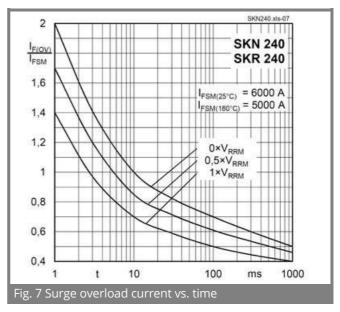


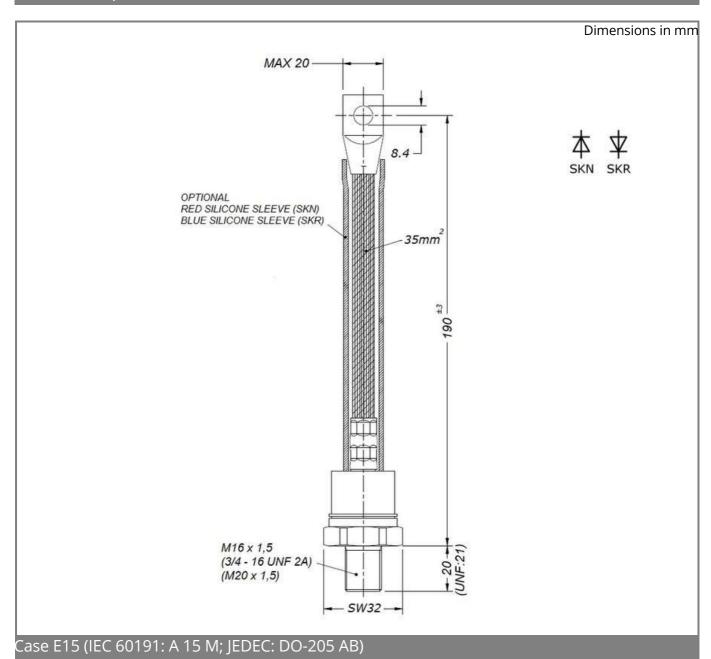












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