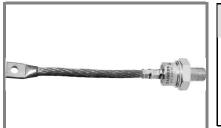
SKN 240, SKR 240



V _{RSM}	V _{RRM}	I _{FRMS} = 500 A (maximum value for continuous operation)		
V	V	I _{FAV} = 240 A (sin. 180; T _c = 125 °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	

Stud Diode

Rectifier Diode

SKN	240
SKR	240

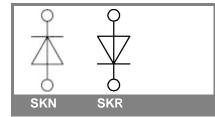
Features

- Reverse voltages up to 1800 V
- Hermetic metal case with glass
 insulator
- Threaded stud ISO M16 x 1,5
- SKN / SKR 240/04 ... /16 also
- available with threaded stud 3/4 - 16 UNF (e.g. SKR 240/12 UNF)
- SKN: anode to stud, SKR: cathode to stud

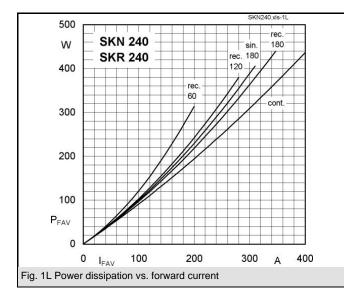
Typical Applications*

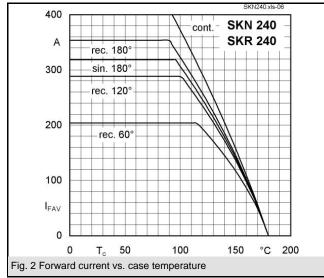
- All-purpose mean power rectifier diodes
- Cooling via heatsinks
- Non-controllable and
 holf controllable restified
- half-controllable rectifiers
- Free-wheeling diodes • Recommended snubber network: RC: 0,5 μ F, 30 Ω (P _R = 2W), R_P = 50 k Ω (P _R = 20 W)

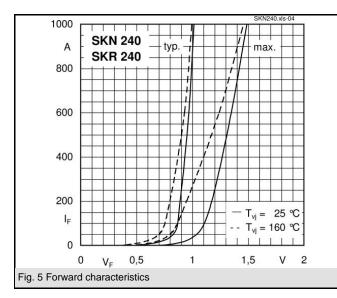
Symbol	Conditions	Values	Units
I _{FAV}	sin. 180; T _c = 100 °C	320	А
I _D	K 0,55; T _a = 45 °C; B2 / B6	340 / 480	Α
	K 0,55F; T _a = 35 °C; B2 / B6	620 / 840	А
I _{FSM}	T _{vi} = 25 °C; 10 ms	6000	А
	T _{vi} = 180 °C; 10 ms	5000	Α
i²t	T _{vi} = 25 °C; 8,3 10 ms	180000	A²s
	T _{vj} = 180 °C; 8,3 10 ms	125000	A²s
V _F	T _{vi} = 25 °C; I _F = 750 A	max. 1,4	V
V _(TO)	$T_{vj} = 180 \ ^{\circ}C$	max. 0,85	V
r _T	T _{vi} = 180 °C	max. 0,6	mΩ
I _{RD}	T _{vj} = 180 °C; V _{RD} = V _{RRM}	max. 60	mA
Q _{rr}	T _{νj} = 160 °C; - di _F /dt = 10 A/μs	200	μC
R _{th(j-c)}		0,2	K/W
R _{th(c-s)}		0,03	K/W
T _{vj}		- 40 + 180	°C
T _{stg}		- 55 + 180	°C
V _{isol}		-	V~
M _s	to heatsink	30	Nm
а		5 * 9,81	m/s²
m	approx.	250	g
Case		E 15	

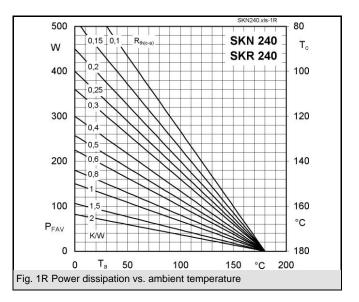


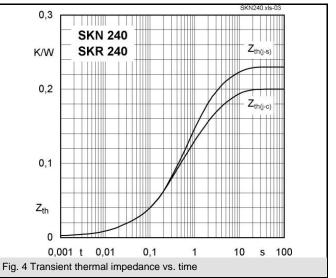
R,DIODE, I H I RISTOR, MOI

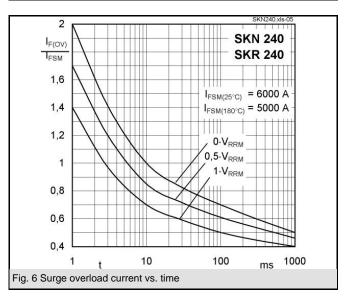




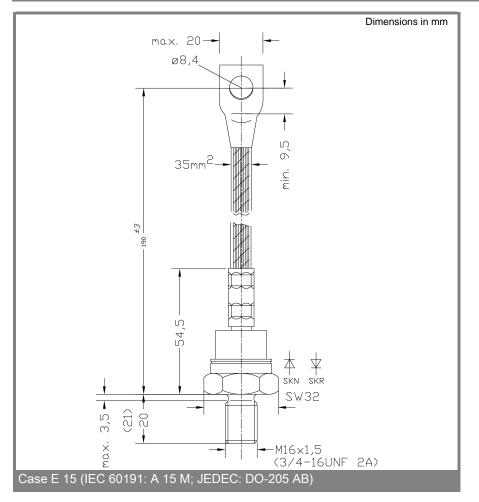








SKN 240, SKR 240



* The specifications of our components may not be considered as an assurance of component characteristics. Components have to be tested for the respective application. Adjustments may be necessary. The use of SEMIKRON products in life support appliances and systems is subject to prior specification and written approval by SEMIKRON. We therefore strongly recommend prior consultation of our personal.