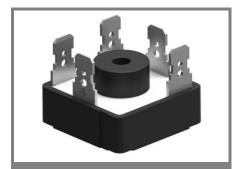
SKD 41 with spacer



Square bridge

Power Bridge Rectifiers SKD 41 with spacer

Features

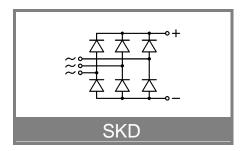
- Square plastic case with isolated metal base plate and fast-on connectors
- Blocking voltage up to 1000 V
- High surge currents
- Easy chassis mounting
- Center spacer to match mounting height of 17 mm modules.

Typical Applications

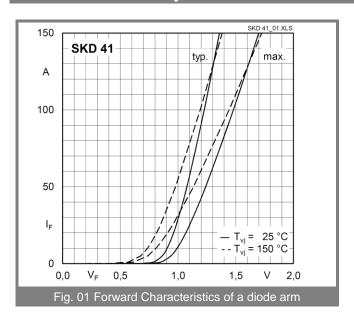
- Three phase rectifier for power supplies
- Input rectifiers for variable frequency drives
- Rectifier for DC motor field supplies
- Battery charger rectifiers
- Recommended snubber network:
 RC: 50 Ω, 0.1 μF (P_R = 1 W)
- Freely suspended or mounted on an insulator
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

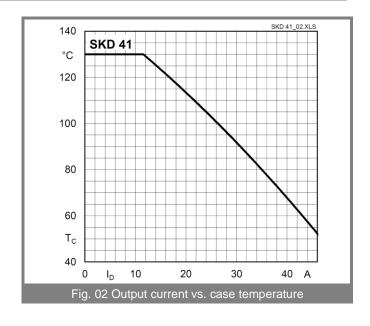
V _{RSM} , V _{RRM}	V _{RMS}	I _D = 41 A (T _c = 65 °C) Types	Cmax uF	Rmin Ω
200		SKD 41/02 with spacer		
400		SKD 41/04 with spacer		
800		SKD 41/08 with spacer		
1000		SKD 41/10 with spacer		

Symbol	Condition	Values	Units
ID IDCL	$T_a = 45$ °C, P1/120 natural cooling $T_a = 35$ °C, P1/120 forced cooling $T_a = 45$ °C, P1/120 natural cooling $T_a = 35$ °C, P1/120 forced cooling $T_a = 45$ °C, chassis ²⁾	30 42 26,5 36	A A A A
I _{FSM} i ² t	$T_{vj} = 25 ^{\circ}\text{C} \; ; \; 10 \; \text{ms} \\ T_{vj} = 150 ^{\circ}\text{C} \; ; \; 10 \; \text{ms} \\ T_{vj} = 25 ^{\circ}\text{C} \; ; \; 8,3 \; 10 \; \text{ms} \\ T_{vj} = 150 ^{\circ}\text{C} \; ; \; 8,3 \; 10 \; \text{ms} \\ \end{cases}$	500 430 1250 920	A A A ² s A ² s
V _F V(TO) r IRD IRD t _{rr} fG	$\begin{split} T_{vj} &= 25 ^{\circ}\text{C}, \text{ I}_{\text{F}} = 150 \text{ A} \\ T_{vj} &= 150 ^{\circ}\text{C} \\ T_{vj} &= 150 ^{\circ}\text{C} \\ T_{vj} &= 25 ^{\circ}\text{C} \text{ ; V}_{\text{RD}} = \text{V}_{\text{RRM}} \\ T_{vj} &= 150 ^{\circ}\text{C} \text{ ; V}_{\text{RD}} = \text{V}_{\text{RRM}} \\ T_{vj} &= 25 ^{\circ}\text{C} \end{split}$	max. 1,7 max. 0,80 max. 5,7 300 5 10 2000	V V mΩ μA mA μs Hz
Rth(j-c) Rth(c-s) Tvj Tstg	isolated ¹⁾ chassis ²⁾ total total	14 3,8 1,0 0,15 -40 +150 -55 +130	K/W K/W K/W °C °C
V _{isol} M _s	a. c. 50 60 Hz; r.m.s.; 1 s / 1 min. to heatsink SI units US units approx.	3000 / 2500 2 ± 15 % 18 ± 15% 26	V~ Nm Lb. in. g
Case		G 11b with spacer	

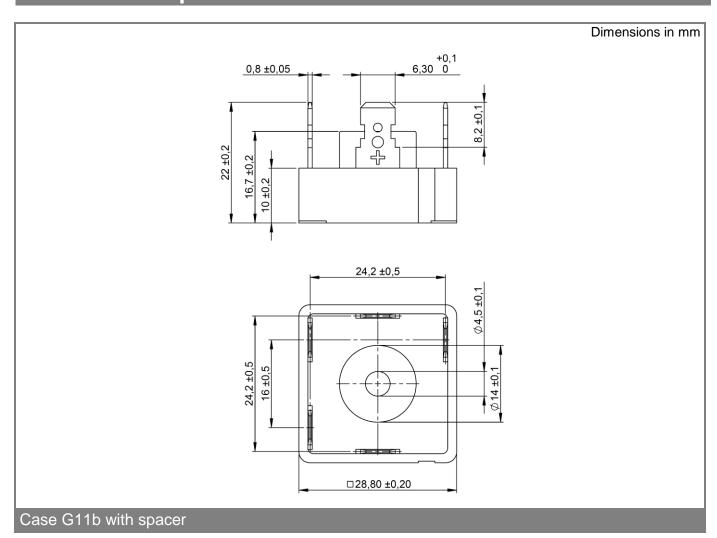


SKD 41 with spacer





SKD 41 with spacer



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