SK 45 STA



SEMITOP[®] 3

Six Separated Thyristors Module

SK 45 STA

Preliminary Data

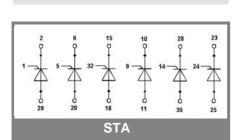
Features

- Compact design
- One screw mounting
- Heat transfer and isolation through direct copper bonded aluminium oxide ceramic (DCB)
- Glass passivated thyristor chips
- Up to 1600 V reverse voltage

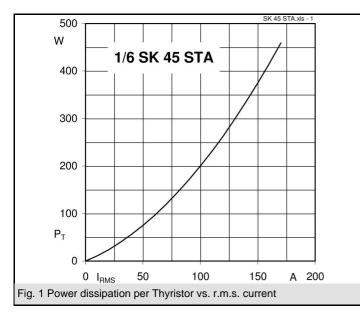
Typical Applications

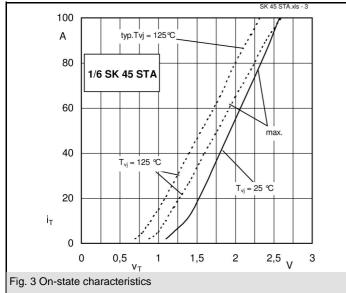
- Soft starters
- Light control (studios, theatres...)
- Temperature control

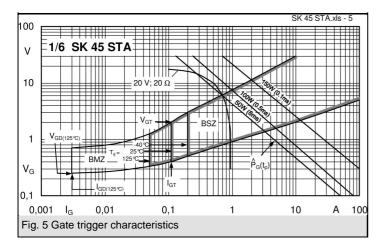
V _{RSM} V	V _{RRM} , V _{DRM} V		I _{TRMS} = 41 A (T _s = 75 °C)	
	900 800		(1 _s = 73°C) SK 45 STA 08	
1300			SK 45 STA 12	
1700			SK 45 STA 16	
Characteristics T _h = 25 °C, unless otherwise specified				
	Conditions		Values	Units
I _{rms} (W1C)	sin. 180°; T _S = 100°C		33	А
I _{rms} (W1C)	sin. 180°; T _S = 85°C		47	А
				А
I _{TSM} /I _{FSM}	T _{vi} = 25 (125) °C; 10 ms		450 (380)	Α
	T _{vi} = 25 (125) °C; 8,3 10 ms ms		1000 (720)	A²s
T _{stg}	.)		- 40 + 125	°C
	terminals, 10 s		260	°C
Thyristor				
	T _{vi} = 125 °C		1000	V/µs
	_i = 125 °C; f = 50 60 Hz		50	Α/μs
	, [,] = 125 °C; typ.		80	μs
I _H	Γ _{vj} = 25 °C; typ. / max.		80 / 150	mA
IL -	$T_{vj} = 25$ °C; $R_G = 33$ Ω; typ. / max.		150 / 300	mA
	T _{vi} = 25 °C; (I _T = 75 A); max.		1,9	V
	T _{vj} = 125 °C		max. 1	V
r _T	T _{vj} = 125 °C		max. 10	mΩ
I _{DD} ; I _{RD}	T_{vj}^{0} = 125 °C; V_{DD} = V_{DRM} ; V_{RD} = V_{RRM}		max. 10	mA
R _{th(j-s)}			1,2	K/W
T _{vj}			- 40 + 125	°C
I. ⁰ .	$T_{vj} = 25 \text{ °C; d.c.}$		3	V
	$T_{vj} = 25 \text{ °C; d.c.}$		100	mA
~ -	T _{vj} = 125 °C; d.c.		0,25	V
	Γ _{vj} = 125 °C; d.c.		3	mA
Diode				
	T _{vj} = °C; (I _F = A); max.			V
V _(TO)	$T_{vj} = °C$			V
	$T_{vj} = ^{\circ}C$			mΩ
	T _{vj} = °C; V _{RD} = V _{RRM}			mA
R _{th(j-s)}				K/W
Τ _{vj}				°C
Mechanical data				
1501	a.c. 50 Hz; r.m.s.; 1 min / 1s		2500 (3000)	V
M ₁ r	mounting torque		2,5	Nm
w			30	g
Case	SEMITOP [®] 3		T56	

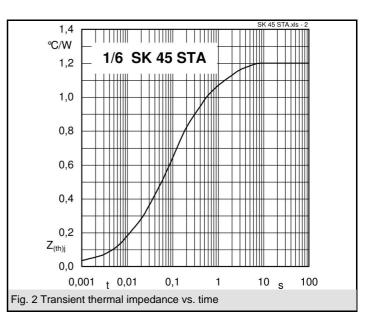


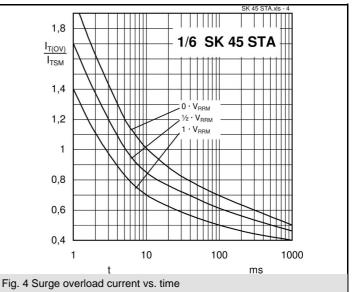
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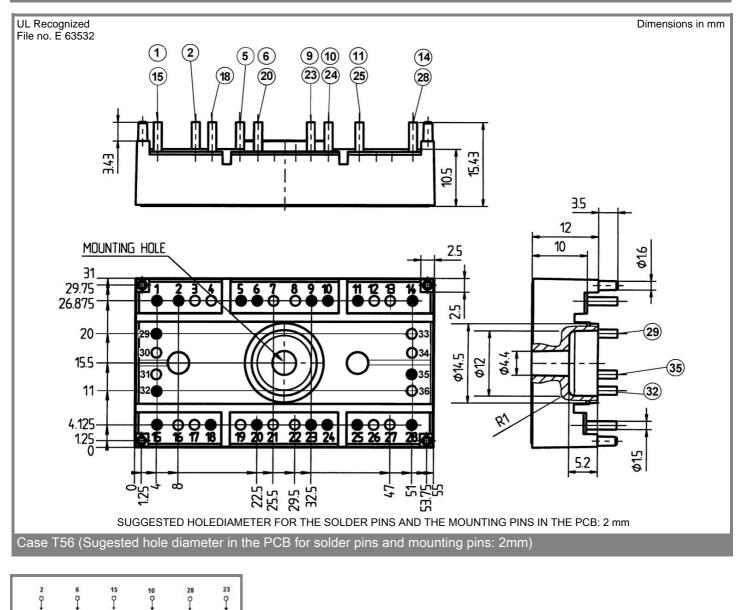


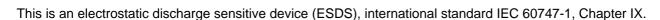






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Case T56

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