

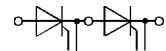
SKKT 330, SKKH 330

V _{RSM}	V _{RRM}	(dv/dt) _{cr}	I _{TRMS} (maximum values for continuous operation)	
			510 A	
V	V	V/μs	I _{TAV} (sin. 180; T _{case} = 78 °C)	
			330 A	
900	800	1000	SKKT 330/08 E	SKKH 330/08 E
1300	1200	1000	SKKT 330/12 E	SKKH 330/12 E
1500	1400	1000	SKKT 330/14 E	SKKH 330/14 E
1700	1600	1000	SKKT 330/16 E	SKKH 330/16 E
1900	1800	1000	SKKT 330/18 E	SKKH 330/18 E

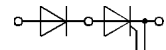
SEMIPACK® 3 Thyristor / Diode Modules

SKKT 330 SKKH 330

Preliminary Data



SKKT



SKKH

Symbol	Conditions	SKKT 330 SKKH 330	Units
I _{TAV}	sin. 180; T _{case} = 78 °C T _{case} = 85 °C	330 300	A A
I _{TSM}	T _{vj} = 25 °C; 10 ms T _{vj} = 130 °C; 10 ms	9 000 8 000	A A
i ² t	T _{vj} = 25 °C; 8,3 ... 10 ms T _{vj} = 130 °C; 8,3 ... 10 ms	405 000 320 000	A ² s A ² s
t _{gd}	T _{vj} = 25 °C; I _G = 1 A di _G /dt = 1 A/μs	1	μs
t _{gr}	V _D = 0,67 · V _{DRM}	2	μs
(di/dt) _{cr}	T _{vj} = 130 °C	250	A/μs
t _q	T _{vj} = 130 °C	typ. 50 ... 150	μs
I _H	T _{vj} = 25 °C; typ. / max.	150 / 500	mA
I _L	T _{vj} = 25 °C; R _G = 33 Ω; typ. / max.	0,3 / 2	A
V _T	T _{vj} = 25 °C; I _T = 750 A	max. 1,4	V
V _{T(TO)}	T _{vj} = 130 °C	0,85	V
r _T	T _{vj} = 130 °C	0,6	mΩ
I _{DD} ; I _{RD}	T _{vj} = 130 °C; V _{RD} = V _{RRM} V _{DD} = V _{DRM}	50	mA
V _{GT}	T _{vj} = 25 °C; d.c.	3	V
I _{GT}	T _{vj} = 25 °C; d.c.	200	mA
V _{GD}	T _{vj} = 130 °C; d.c.	0,25	V
I _{GD}	T _{vj} = 130 °C; d.c.	10	mA
R _{thjc}	cont. } sin. 180 } per thyristor / rec. 120 } per module	0,11 / 0,055 0,117 / 0,0585 0,13 / 0,065	°C/W °C/W °C/W
R _{thch} T _{vj} , T _{stg}		0,04	°C/W
V _{isol}	a. c. 50 Hz; r.m.s.; 1 s/1 min	3600 / 3000	V~
M ₁	to heatsink } to terminals } SI (US) units	5 (44 lb. in.) ± 15 % ¹⁾	Nm
M ₂		9 (80 lb. in.) ± 15 % ²⁾	Nm
a		5 · 9,81	m/s ²
w	approx.	750	g
Case		SKKT 330: A 73 SKKH 330: A 76	

Features

- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precious metal pressure contacts for high reliability
- Thyristor with amplifying gate
- UL recognized, file no. E 63 532

Typical Applications

- DC motor control (e.g. for machine tools)
- Temperature control (e.g. for ovens, chemical processes)
- Professional light dimming (studios, theaters)

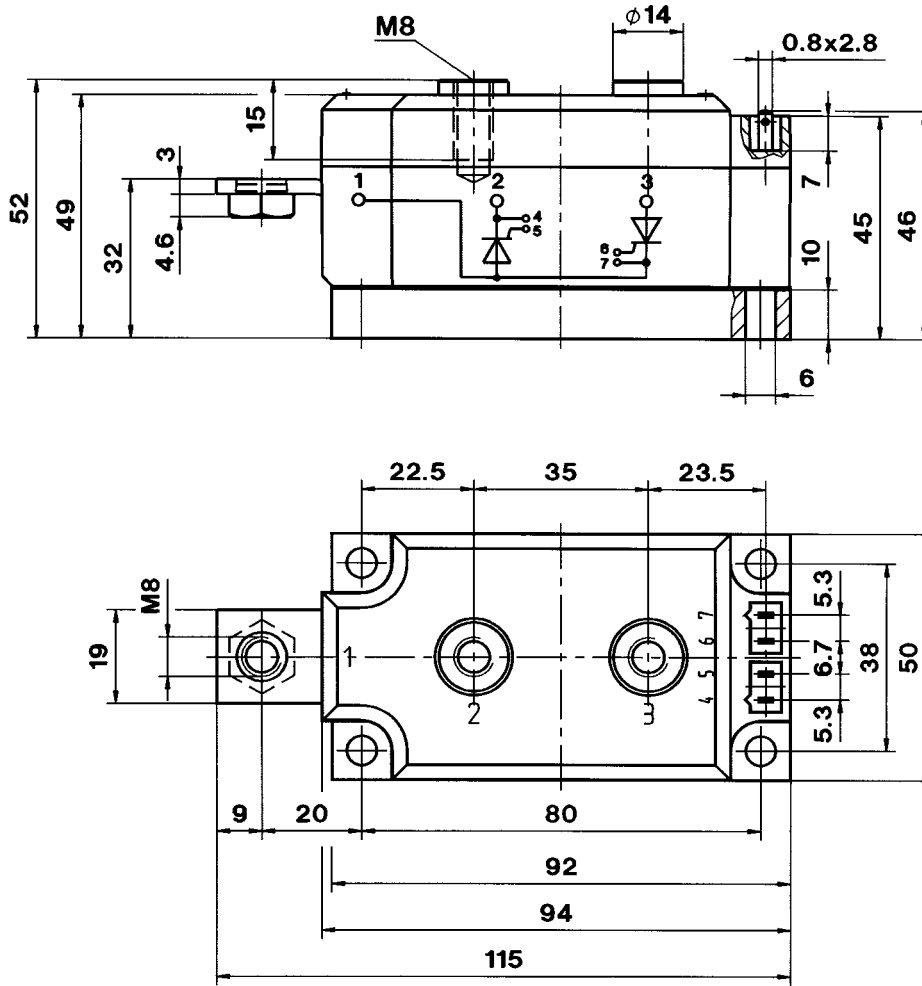
1) See the assembly instructions
2) The screws must be lubricated

SKKT 330, SKKH 330

SKKT 330

Case A 73

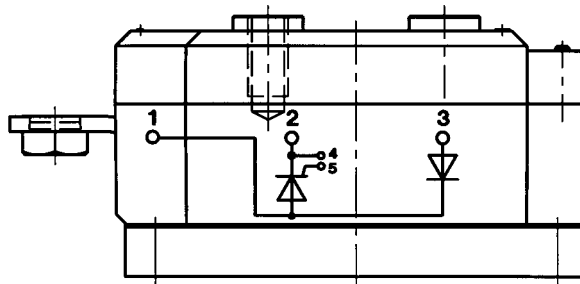
SEMIPACK® 3



Dimensions in mm

SKKH 330

Case A 76



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