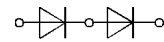


V_{RSM}	V_{RRM}	I_{FRMS} (maximum values for continuous operation)
		1100 A
		I_{FAV} (sin. 180; $T_{case} = 100\text{ °C}$)
V	V	700 A
900	800	SKKD 700/08
1300	1200	SKKD 700/12
1500	1400	SKKD 700/14
1700	1600	SKKD 700/16
1900	1800	SKKD 700/18
2100	2000	SKKD 700/20
2300	2200	SKKD 700/22

SEMIPACK® 5 Rectifier Diode Modules

SKKD 700

Preliminary Data



SKKD

Symbol	Conditions	SKKD 700	Units
I_{FAV}	sin. 180; $T_{case} = 100\text{ °C}$	700	A
I_{FSM}	$T_{vj} = 25\text{ °C}$; 10 ms	25 000	A
	$T_{vj} = 150\text{ °C}$; 10 ms	22 000	A
i^2t	$T_{vj} = 25\text{ °C}$; 8,3 ... 10 ms	3 125 000	A ² s
	$T_{vj} = 150\text{ °C}$; 8,3 ... 10 ms	2 420 000	A ² s
I_{RD}	T_{vjmax} ; $V_{RD} = V_{RRM}$	20	mA
V_F	$T_{vj} = 25\text{ °C}$; ($I_F = \dots$); max.	1,3 (2000)	V
$V_{(TO)}$	$T_{vj} = 150\text{ °C}$	0,75	V
r_T	$T_{vj} = 150\text{ °C}$	0,2	mΩ
R_{thjc}	sin. 180 per diode / per module	0,065 / 0,0325	°C/W
R_{thch}		0,02 / 0,01	°C/W
T_{vj}		- 40 ... + 150	°C
T_{stg}		- 40 ... + 130	°C
V_{isol}	a. c. 50 Hz; r.m.s.; 1 s/1 min	3600/3000	V~
M_1	to heatsink (M6) SI units	$5 \pm 15\%$ ¹⁾	Nm
	US units	$44 \pm 15\%$ ¹⁾	lb.in.
M_2	to terminals (M10) SI units	$12 \pm 15\%$ ²⁾	Nm
	US units	$106 \pm 15\%$ ²⁾	lb.in.
a		5 · 9,81	m/s ²
w	approx.	1420	g
Case		A 75	

Features

- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precise metal pressure contacts for high reliability
- UL recognition applied for: file no. E 63 532

Typical Applications

- Uncontrolled rectifiers for AC/AC converters
- Line rectifiers for transistorized AC motor controllers

¹⁾ See the assembly instructions

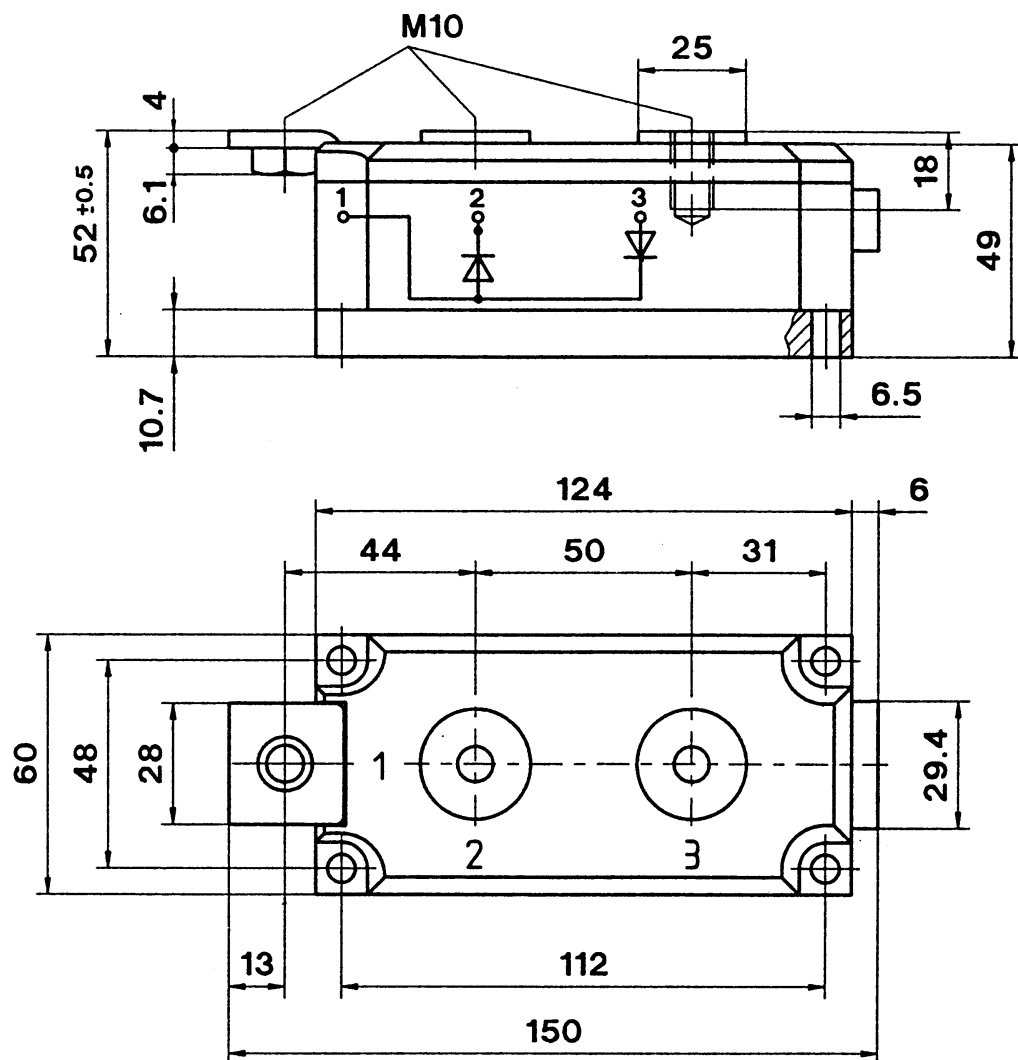
²⁾ The screws must be lubricated

SKKD 700

Case A 75

SEMIPACK® 5

UL recognition, file E63532
applied for



Dimensions in mm