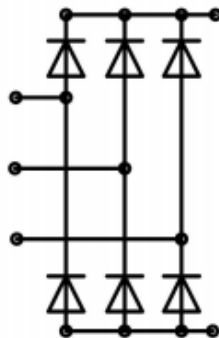
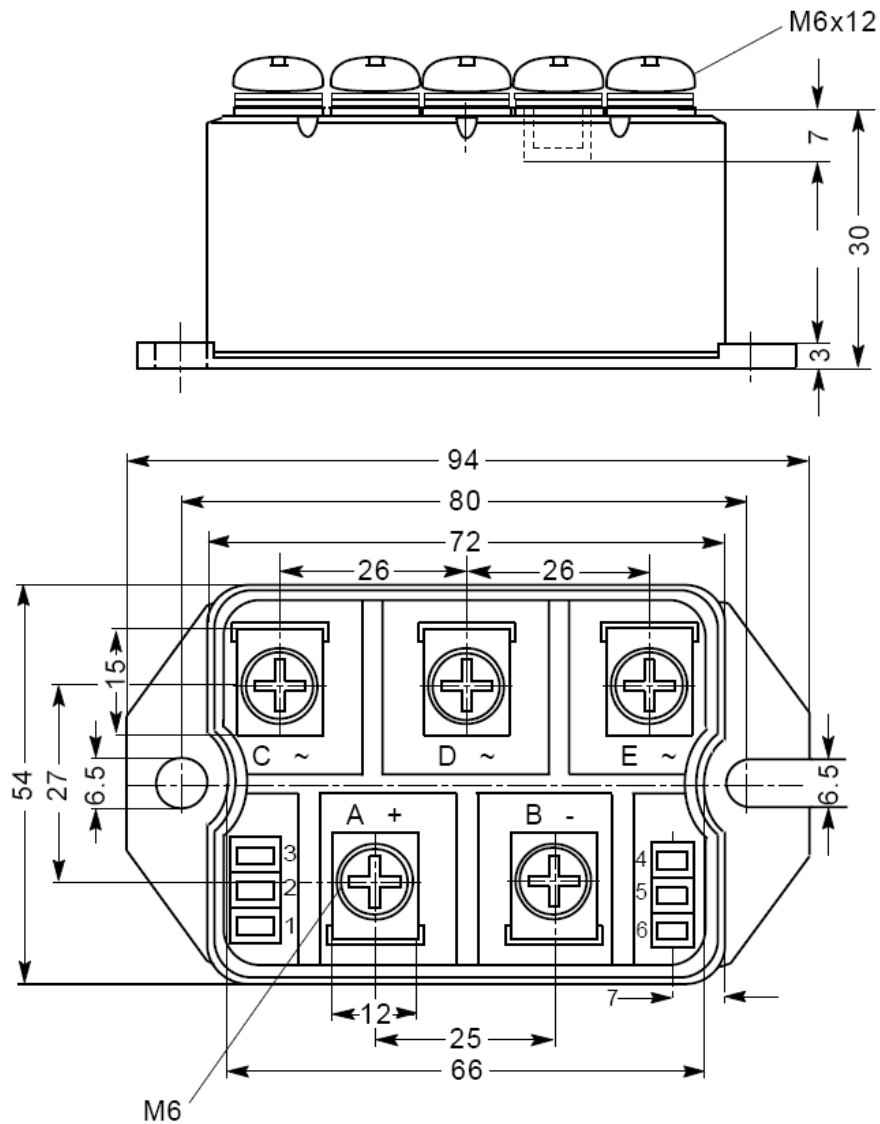


TYPE : YZPST- SKD160-16

Parameter	Symbol	Conditions	Values	Units
Repetitive Peak Off-State Voltage	V_{DRM}		-	V
Non Repetitive Peak Off-State Voltage	V_{DSM}		-	
Repetitive Peak Reverse Voltage	V_{RRM}		1600	V
Non Repetitive Peak Reverse Voltage	V_{RSM}		1700	V
Average Rectified Output Current	$I_{O(AV)}$	$T_C=85^{\circ}C$	205	A
Surge Forward Current	I_{FSM}	50Hz; Half Sine Wave,1Pulse, Non-Repetitive	1800	A
I Squared t	I^2t	2msec to 10msec	16.2	KA^2s
Surge On-State Current	I_{TSM}	50Hz; Half Sine Wave,1Pulse, Non-Repetitive	-	A
I Squared t	I^2t	2msec to 10msec	-	KA^2s
Peak Forward Voltage	V_{FM}	$T_J=25^{\circ}C; I_F=300A$	1.65	V
Peak On-State Voltage	V_{TM}		-	
Peak Reverse Current	I_{RM}	$V_{RM}=V_{RRM}, T_J=125^{\circ}C$	-	mA
Critical Rate of Turned-On Current	di/dt	$V_D=2/3V_{DRM}, I_{TM}=2 \cdot I_O, T_J=125^{\circ}C$ $I_G=200mA, di_G/dt=0.2A/\mu s$	-	A/ μs
Critical Rate of Rise of Off-State Voltage	dv/dt	$V_D=2/3V_{DRM}, T_J=125^{\circ}C$	-	V/ μs
Gate Current to Trigger	I_{GT}	$V_D=6V, I_T=1A, T_J=25^{\circ}C$	-	mA
Gate Voltage to Trigger	V_{GT}		-	V
Holding Current	I_H		-	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	0.65	K/W
	$R_{th(c-f)}$	Case to Fin	0.03	K/W
	T_{vj}		-40~+150	$^{\circ}C$
	T_{stg}		-40~+125	$^{\circ}C$
	V_{isol}	a.c. 50Hz; r.m.s.; 1min.	3600	V
Mounting torque	M	Case mounting Terminals	5	N.m

OUTLINE DRAWING (Dimensions in mm)



SKD