

Rectifier Bridges, 3~ with fast Diodes and integrated soft-start Thyristor

Type	V_{RRM}	V_{VRMS}	I_{dAV} $T_C = 85^\circ C$	I_{FSM} $45^\circ C$ 10 ms	V_{TO}	r_F	T_{VJM}	R_{thJC} per chip	R_{thCK} per chip	Package style
E 72 873 (M) New	V	V	A	A	V	mΩ	°C	K/W	K/W	See outlines on page 32
VUC 25-16go2	1600	500	25	Diode	300	1.2	18	125	2.3	0.6
VUC 25-14go2	1400	440		Thyr.	330	1.1	11	125	0.9	0.2
VUC 25-12go2	1200	400								
VUC 36-16go2	1600	500	36	Diode	300	1.2	16	125	1.4	0.6
VUC 36-14go2	1400	440		Thyr.	400	0.85	10	125	0.9	0.2
VUC 36-12go2	1200	400								

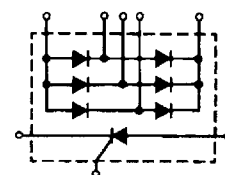
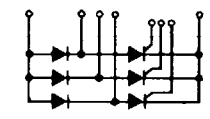
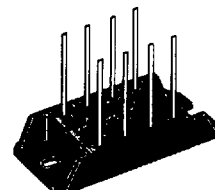


Fig. 33 Weight = 28 g



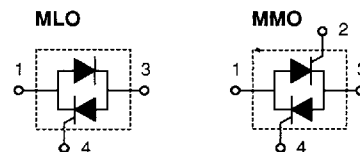
Half Controlled Rectifier Bridges, 3~

Type	V_{RRM}	V_{VRMS}	I_{dAV} $T_C = 100^\circ C$	I_{FSM} $45^\circ C$ 10 ms	V_{TO}	r_F	T_{VJM}	R_{thJC} per chip module	R_{thCK} per chip module
E 72 873 (M) New	V	V	A	A	V	mΩ	°C	K/W	K/W
VVZ 12-16go1	1600	500	12	110	1.1	30	125	2.5	0.6
VVZ 12-14go1	1400	440						0.4	0.1
VVZ 12-12go1	1200	400							
VVZ 24-16go1	1600	500	24	300	1.0	15	125	2.1	0.6
VVZ 24-14go1	1400	440						0.35	0.1
VVZ 24-12go1	1200	400							
VVZ 40-16go1	1600	500	40	320	0.85	15	125	1.2	0.4
VVZ 40-14go1	1400	440						0.2	0.07
VVZ 40-12go1	1200	400							

Data according to DIN / IEC 747-2/6

AC-Controllers, 1~

$I_{RMS} = 39-86 A$



Type	V_{RRM}	V_{VRMS}	I_{TAV} $T_K = 85^\circ C$	I_{RMS} $T_K = 85^\circ C$	I_{TSM} $45^\circ C$ 10 ms	V_{TO}	r_T	T_{VJM}	R_{thJC} per chip module	R_{thJK} per chip module	Package style
E 72 873 (M) New	V	V	A	A	A	V	mΩ	°C	K/W	K/W	See outlines on page 33/30
MLO 36-16io1	1600	500	18	39	360	0.85	15	125	1.3	1.5	MLO = Fig. 47 MMO = Fig. 48 Weight = 15 g
MLO 36-12io1	1200	400							0.65	0.75	
MLO 75-16io1	1600	500	39	86	1150	0.85	5	125	0.55	0.75	
MLO 75-12io1	1200	400							0.275	0.375	
MMO 36-16io1	1600	500	18	39	360	0.85	15	125	1.3	1.5	Fig. 7 SOT-227 B miniBLOC Weight = 30 g
MMO 36-12io1	1200	400							0.65	0.75	
MMO 75-16io1	1600	500	39	86	1150	0.85	5	125	0.55	0.75	
MMO 75-12io1	1200	400							0.275	0.375	
MMO 62-16io1	1600	500	25	54	400	0.85	12	125	0.91	0.98	
MMO 62-12io1	1200	400							0.455	0.49	
MMO 74-16io1	1600	500	34	74	600	0.85	9.5	125	0.71	0.77	
MMO 74-12io1	1200	400							0.355	0.385	

Data according to DIN / IEC 747-2/6