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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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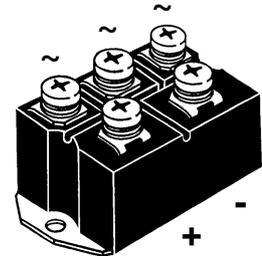
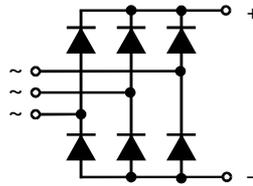
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# Three Phase Rectifier Bridge

**I<sub>dAV</sub> = 63/88 A**  
**V<sub>RRM</sub> = 800-1800 V**

V <sub>RSM</sub> V	V <sub>RRM</sub> V	Type	
600	600	VUO 62-06NO7	VUO 82-06NO7
800	800	VUO 62-08NO7	VUO 82-08NO7
1200	1200	VUO 62-12NO7	VUO 82-12NO7
1400	1400	VUO 62-14NO7	VUO 82-14NO7
1600	1600	VUO 62-16NO7	VUO 82-16NO7
1800	1800	VUO 62-18NO7*	VUO 82-18NO7*



\* delivery time on request

Symbol	Test Conditions	Maximum Ratings			
		VUO 62	VUO 82		
I <sub>dAV</sub>	T <sub>C</sub> = 110°C, module	63	88	A	
I <sub>dAV</sub>	T <sub>A</sub> = 45°C (R <sub>thCA</sub> = 0.6 K/W), module	48	57	A	
I <sub>FSM</sub>	T <sub>VJ</sub> = 45°C; V <sub>R</sub> = 0	t = 10 ms (50 Hz), sine	550	750	A
		t = 8.3 ms (60 Hz), sine	600	820	A
I <sup>2</sup> t	T <sub>VJ</sub> = T <sub>VJM</sub> ; V <sub>R</sub> = 0	t = 10 ms (50 Hz), sine	500	670	A
		t = 8.3 ms (60 Hz), sine	550	740	A
I <sup>2</sup> t	T <sub>VJ</sub> = 45°C; V <sub>R</sub> = 0	t = 10 ms (50 Hz), sine	1520	2800	A <sup>2</sup> s
		t = 8.3 ms (60 Hz), sine	1520	2800	A <sup>2</sup> s
I <sup>2</sup> t	T <sub>VJ</sub> = T <sub>VJM</sub> ; V <sub>R</sub> = 0	t = 10 ms (50 Hz), sine	1250	2250	A <sup>2</sup> s
		t = 8.3 ms (60 Hz), sine	1250	2250	A <sup>2</sup> s
T <sub>VJ</sub>		-40...+150		°C	
T <sub>VJM</sub>		150		°C	
T <sub>stg</sub>		-40...+125		°C	
V <sub>ISOL</sub>	50/60 Hz, RMS; I <sub>ISOL</sub> ≤ 1 mA	t = 1 min	2500	V~	
		t = 1 s	3000	V~	
M <sub>d</sub>	Mounting torque (M5); Terminal connection torque (M5)		5 ± 15 %	Nm	
			5 ± 15 %	Nm	
Weight	typ.		160	g	

### Features

- Package with screw terminals
- Isolation voltage 3000 V~
- Planar passivated chips
- Blocking voltage up to 1800 V
- Low forward voltage drop
- UL registered E72873

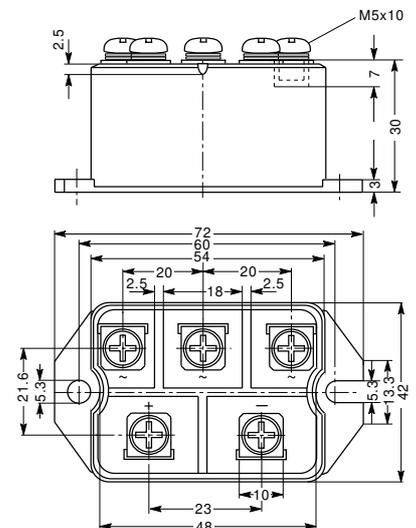
### Applications

- Supplies for DC power equipment
- Input rectifiers for PWM inverter
- Battery DC power supplies
- Field supply for DC motors

### Advantages

- Easy to mount with two screws
- Space and weight savings
- Improved temperature and power cycling

### Dimensions in mm (1 mm = 0.0394")



Symbol	Test Conditions	Characteristic Values		
		VUO 62	VUO 82	
I <sub>R</sub>	V <sub>R</sub> = V <sub>RRM</sub> ; T <sub>VJ</sub> = 25°C	≤ 0.3	0.3	mA
	V <sub>R</sub> = V <sub>RRM</sub> ; T <sub>VJ</sub> = T <sub>VJM</sub>	≤ 5	5	mA
V <sub>F</sub>	I <sub>F</sub> = 150 A; T <sub>VJ</sub> = 25°C	≤ 1.8	1.6	V
V <sub>T0</sub>	For power-loss calculations only	0.8	0.8	V
r <sub>T</sub>		8	5	mΩ
R <sub>thJC</sub>	per diode	1.45	1.1	K/W
	per module	0.24	0.183	K/W
R <sub>thJH</sub>	per diode	1.87	1.52	K/W
	per module	0.31	0.253	K/W
d <sub>S</sub>	Creeping distance on surface		10	mm
d <sub>A</sub>	Creepage distance in air		9.4	mm
a	Max. allowable acceleration		50	m/s <sup>2</sup>

Data according to IEC 60747 and refer to a single diode unless otherwise stated. IXYS reserves the right to change limits, test conditions and dimensions.