

VWRB AC OUTPUT MODULES

DESCRIPTION

AC output modules are used for controlling or switching AC loads. Each module provides 7500 Vac(pk) of optical isolation between the field devices and the control logic. All AC output modules are equivalent to a single pole, single throw, normally open contact. All AC output modules feature zero voltage turn-on and zero current turn-off. Typical uses and applications for AC output modules include switching the following loads:

- Relays
- Solenoid / Valve Controls
- Lighting Controls
- Static Power Switches
- AC Motor Drives
- AC Motor Starters
- E.M. Contactors
- Heaters

Modules Features are as follows:

NAME	LINE VOLTAGE VAC	LOGIC VOLTAGE	CHANNEL QUANTITY
RB1	20 – 280	5/12	1
RB2	20 – 280	5/12	2
VWRB3/AC12	20 – 280	12	3
VWRB3/AC5	20 – 280	5	3
VWRB4/AC12	20 – 280	12	4
VWRB4/AC5	20 – 280	5	4
VWRB8A	20 – 280	5/12	8
VWRB8B	20 – 280	5/12	8

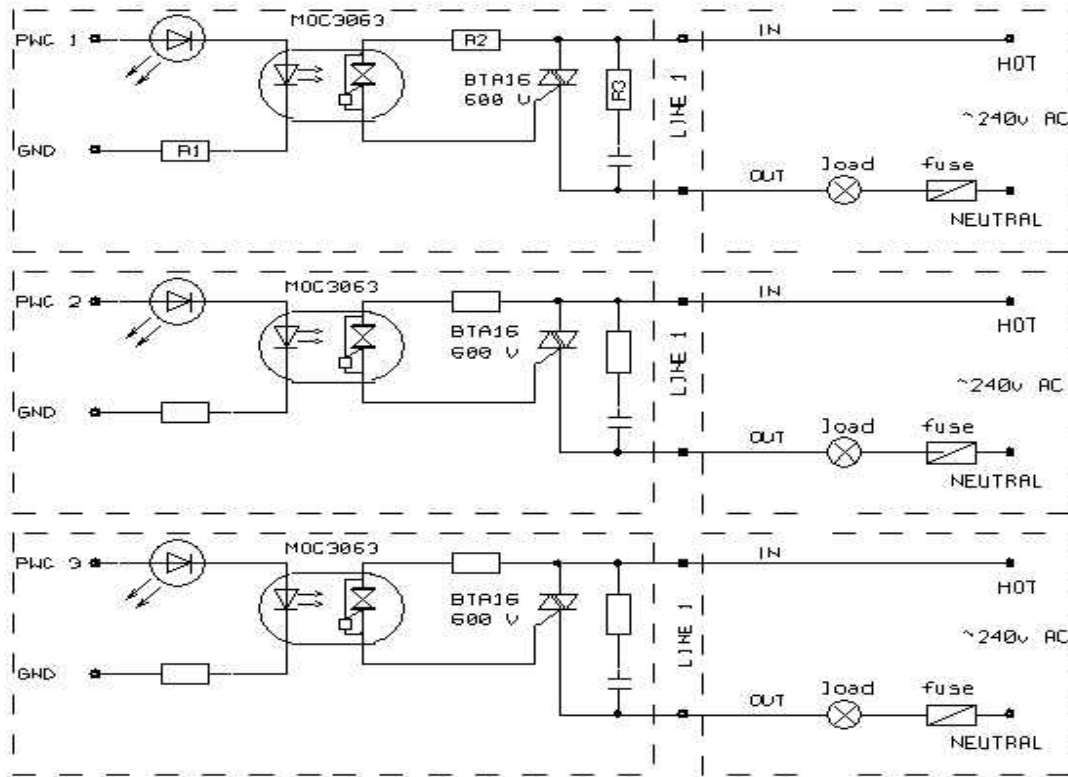
SPECIFICATIONS

General/Applies to all models

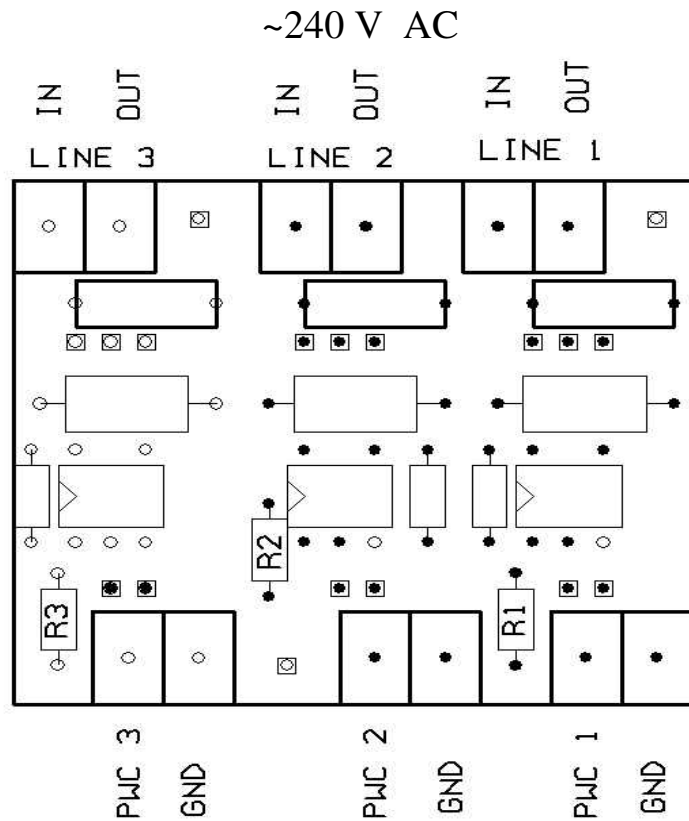
Operating Junction Temperature Range	-30 to +100 °C
Load Current	4 A*
Non Repetitive Surge Peak On-state Current	tp = 8.3 ms 40 A
Repetitive Peak Off-state Voltage	600 V
Isolating Voltage	2500V(rms)
Operating Frequency	25 – 65 Hz
Turn-on Time	0.5 cycle maximum-zero voltage
Turn-off Time	0.5 cycle maximum-zero current
DV/DT – Linear Slope Up To Vd=67%Vdrm	250 V/μs

* There is a possibility to enlarge load current. Consult a specialist.
For detailed information refer to data sheets of modules main components.

VWRB3/AC MODULE



ELECTRICAL SCHEME OF LOAD CONNECTION TO MODULLE



ASSEMBLY DIAGRAM

R1, R2, R3 of 330 Om for input voltage 5V DC and R1, R2, R3 of 1,2 kOm for 12V DC