

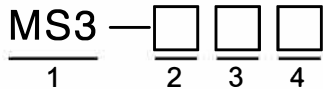
Three Phase Power Regulator

Basic Type Linear Control



- Linear phase-shift control, excellent stability, high precision
- Modularized design, safer and reliable
- Small size, easy to install and wiring
- Vacuum welding technology, good quality and robust.
- Rated voltage: Three phase 380VAC(four wires)
- Rated voltage for cooling fans: 220VAC
- Rated amps: 10A/25A/40A/60A/80A/100A/120A
- Frequency: 50/60HZ
- Control signal: 4-20mA, 0-5VDC, 0-10VDC.
- Ambient temperature: Maximum temperature 47°C
Maximum humidity 90%RH

Ordering Information



Section 4: Rated Load Current

- 10:** 10A
- 25:** 25A
- 40:** 40A
- 60:** 40A
- 80:** 80A
- 100:** 100A
- 120:** 120A

Section 1: Basic Model Name

MS3: Maxwell Three Phase Power Regulator

Section 2: Control Type

VD: Linear Control

Section 3: Rated Load Voltage

38: 380VAC

Section 5: Control Signal

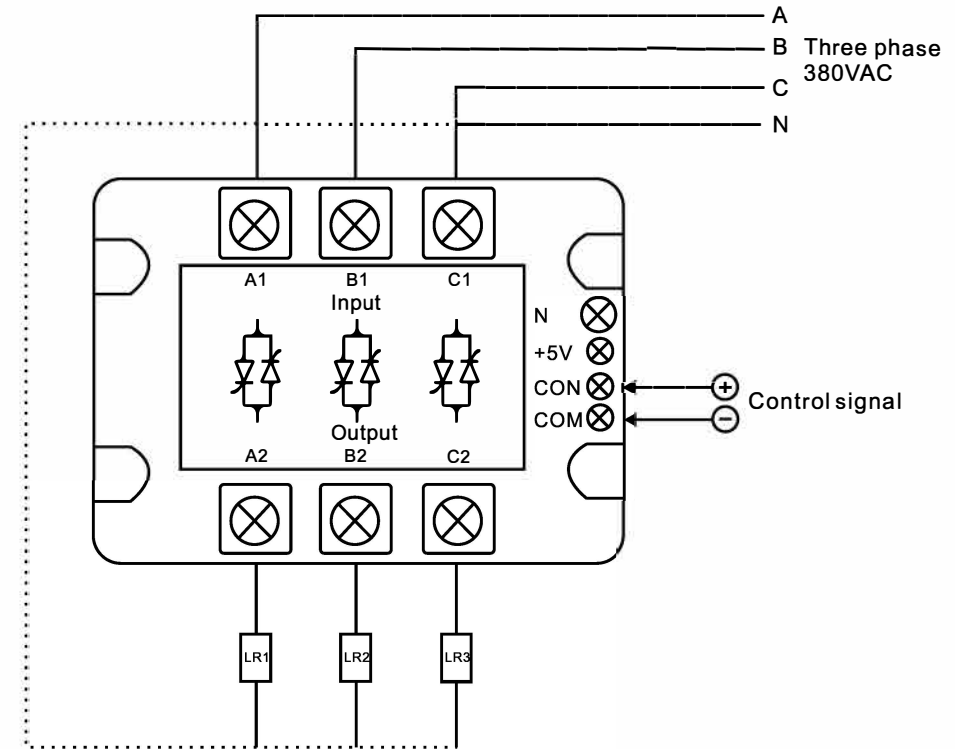
- A:** 0-5VDC input
- B:** 0-10VDC input
- C:** 4-20mA input

▲ MS3-VD3825A: Three phase power regulator 25A with control signal as 0-5VDC

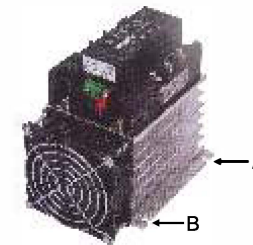
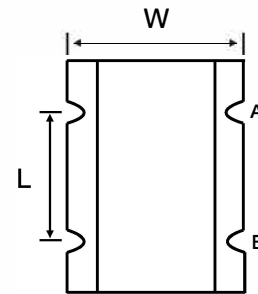
Specifications

| | |
|---------------------|---|
| Rated voltage | 380VAC |
| Rated current | 10A/25A/40A/60A/80A/100A/120A |
| Operation frequency | 50/60HZ |
| Output mode | Phase output |
| Control signal | 4-20mA |
| | 0-5VDC |
| Ambient | 0-10VDC |
| | Maximum temperature 47°C/Maximum humidity 90%RH |
| Cooling fans | 220VAC |

Wiring Diagram



Dimensions



Installation dimensions: W(90mm)*L(80mm)
Overall dimensions: W(100mm)*L(110mm)*H(145mm)

Warning and Precautions(very important)

- 1: The main circuit adopts three-phase four wire input without requirement for phase sequence
- 2: SCR with high amps of current flow through, be sure to tighten the terminal (A1 B1 C1 and A2 B2 C2) at its maximum extend. otherwise SCR might be damaged by heat generated around the terminals.
- 3: When Y connection used for load, the center of Y should be connected with zero line, otherwise, relative equilibrium of the three phase is required
- 4: When load greater than 15KW, Heatsink is a must for the SCR, and heat conducting silicon grease should be applied between chassis of SCR and the heatsink, and cooling fan is a must for the heatsink
- 5: Make sure to use semi-conductive fast fuse for overload protection
- 6: Make sure to pick proper heatsinks when load more than 15KW

Temperature Controller/Solid State Relay/Rotary Encoder/power regulator