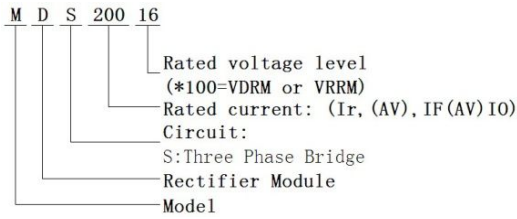


## Model and Description



## Features

1. The chip is electrical insulation to the baseplate, 2500VAC
2. International standard capsulation
3. Fully pressure welding structure, good temperature characteristics and power cycling ability.
4. Max. junction temperature up to 140°C
5. High surge current
6. Low forward voltage drop

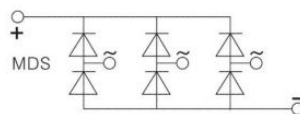
## Applications

1. Excitation source for DC Motor
2. Input rectifying for switching power supply
3. Capacity charge for soft start
4. Electrical drag and auxiliary current
5. DC power source in the apparatus
6. Inverter welding machine
7. Current charge for DC power supply
8. Input rectifying power source of PWM frequency converters

## Specification

Type	Id A	IF(AV) A	TC °C	VRRM V	IRRM mA	VTM/ITM		Tjm °C	Viso V(AC)	Outline
						V	A			
MDS30	30	10	100	600-2000	8	1.45	30	150	2500	MQ25, MQ27
MDS60	60	20	100	600-2000	8	1.45	60	150	2500	MQ27
MDS100	100	35	100	600-2000	10	1.45	100	150	2500	MQ19, MQ20, MQ29
MDS150	150	50	100	600-2000	10	1.5	150	150	2500	MQ21, MQ28
MDS200	200	68	100	600-2000	10	1.5	200	150	2500	MQ21, MQ28
MDS300	300	100	100	600-2000	10	1.5	300	150	2500	MQ23
MDS400	400	135	100	600-2000	10	1.5	400	150	2500	MQ23
MDS500	500	168	100	600-2000	10	1.5	500	150	2500	MQ24
MDS600	600	200	100	600-2000	10	1.5	600	150	2500	MQ24
MDS800	800	270	100	600-2000	10	1.5	800	150	2500	MQ24
MDS1000	1000	330	100	600-2000	10	1.5	1000	150	2500	MQ24

## Electric schematic diagram



## Dimensions

