

## MICROSWITCH MGT3

**DC OUTPUT:**  
400 A | 500 A | 600 A

### Description :

- Supply voltage: 400 V AC three-phase +/- 10% 50-60 Hz without neutral + PE.
- Ambient temperature: Max. 40°C, 50°C on request..
- Protection against overloads and short-circuits.
- Cooling: Controlled forced ventilation.
- Relative humidity (condensation-free): 85%.
- Efficiency: 88% to 94% depending on model.
- Power factor:  $\cos \phi > 0.98$ .
- Ripple: < 2% over the entire range of use.
- Control: 0 to 100% voltage and current.
- Precision: < 0.5% over 8 hours.
- Linearity, stability: < 0.5% over 8 hours.



### Voltage / Current Ratings

**MGT3 (600 Amps Max. )**

| Power  | Up to 10 kW |     |     |
|--------|-------------|-----|-----|
| Weight | 35 kg       |     |     |
| Volts  | Amps        |     |     |
| 8      | 400         | 500 | 600 |
| 10     | 400         | 500 | 600 |
| 12     | 400         | 500 | 600 |
| 16     | 400         | 500 | 600 |
| 20     | 300         | 400 | 500 |
| 25     | 200         | 300 | 400 |
| 30     | 150         | 200 | 300 |
| 40     | 150         | 250 |     |
| 50     | 100         | 200 |     |
| 60     | 75          | 150 |     |
| 80     | 50          | 125 |     |
| 100    | 25          | 100 |     |

Voltage rating greater than 100 V DC : on request.

### Related Man Machine Interface



#### CONTROL PANEL

- U and I adjustable using two potentiometers
- V/C manual preset with display



#### TOUCHSCREEN CONTROL PANEL

- Built-in meter
- Built-in timer
- Built-in U or I gradient
- History graphs
- Save graphs to USB drive

# Current Rectifier MICROSWITCH MGT3

**MGT3 : 600 A (Max)**  
Weight : 35 Kg

## AC Input

|              |  |
|--------------|--|
| Voltage      | 400Vac TRI +/- 10%<br>without neutral + PE |
| Frequency    | 50 / 60 Hz                                 |
| Power factor | > 0,98                                     |

## DC Output

|                                 |                            |
|---------------------------------|----------------------------|
| Power                           | 10 kW                      |
| Voltage                         | 0 to 100V                  |
| Current                         | 0 to 600 A                 |
| Mode of operation               | CV/CC                      |
| Ripple                          | < 2% of the normal gauge   |
| Accuracy ( Voltage and current) | < 0,5% of the normal gauge |
| Stability                       | < 0,5% of the normal gauge |
| Linearity                       | < 0,5% of the normal gauge |
| Distortion                      | < 0,5%                     |

## Environment

|                   |                              |
|-------------------|------------------------------|
| Temperature       | 0 to +40°C ( 55°C derating ) |
| Relative Humidity | 85% without condensation     |
| Cooling           | Controlled air cooling       |

## Customisation :

### Digital control:

- RS 485 2 fils / Ethernet / Wifi.
- Profibus DP
- Standard : Schneider/ Siemens/Wago/Phoenix...

### Analog control:

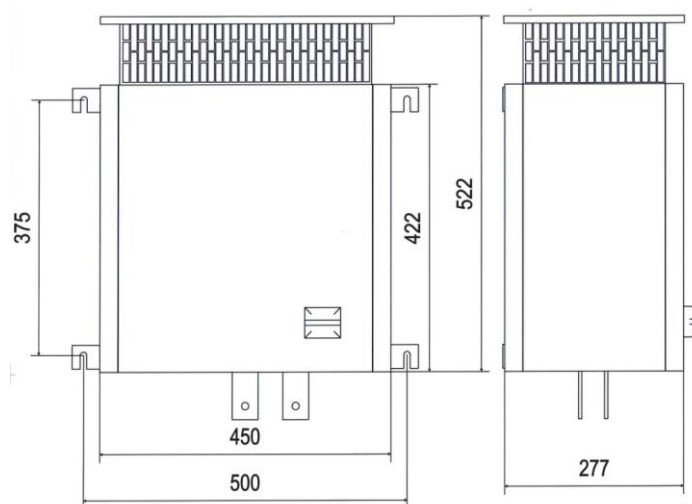
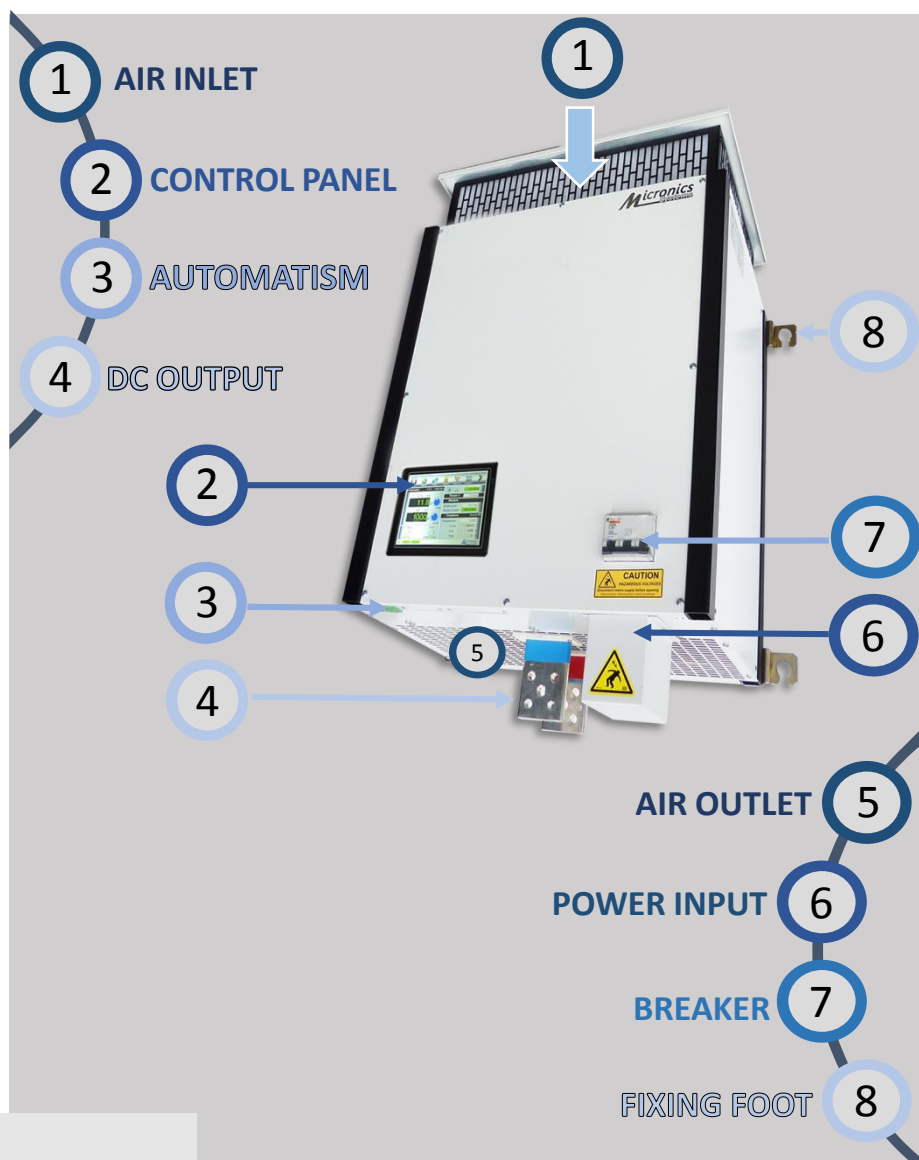
- U and I Inputs/Outputs
- 0-10V or 4-20 mA isolated 1500 Vrms

A-h T.J.P Counter

Polarity Inverter

Tension or Intensity Ramp

Timer



## Dimensions

Width : 450 mm | Height : 520 mm | Depth : 275 mm

