

MICROSWITCH MGT3

DC OUTPUT:
 400 A | 500 A | 600 A

Description :

- Supply voltage: 400 VAC 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% without neutral + PE
Frequency	47 / 63 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:

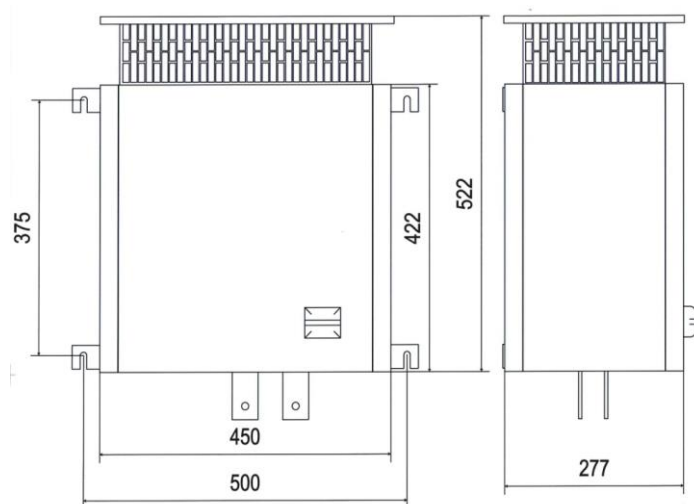
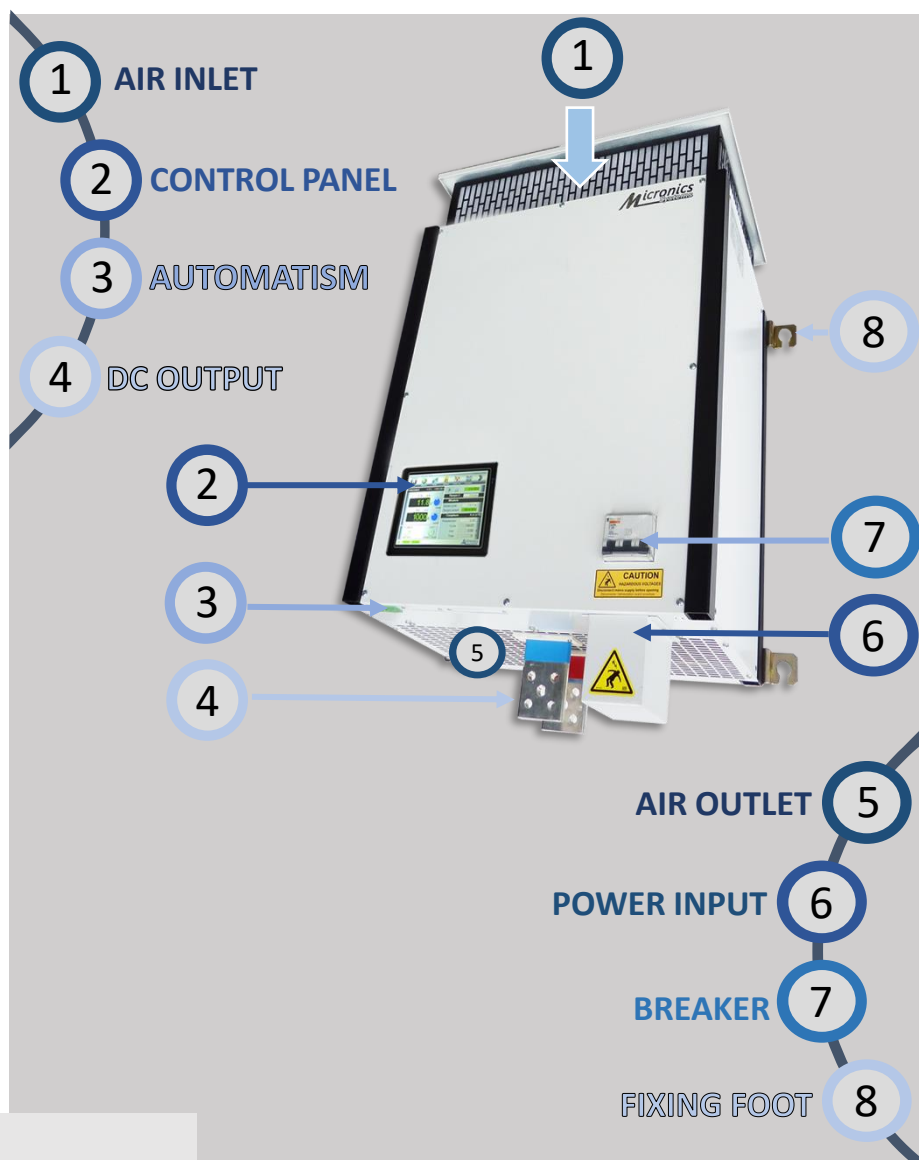
- U and I Inputs/Outputs
- 0-10V or 4-20 mA isolated 1500 Vrms

A-h T.J.P Counter

Polarity Inverter

Tension or Intensity Ramp

Timer



Dimensions

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

