



EN606 Series

Special Inverter for Injection Molding Machine

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EN606 Series Inverter Injection Molding Machine Application Solution



Injection molding machine

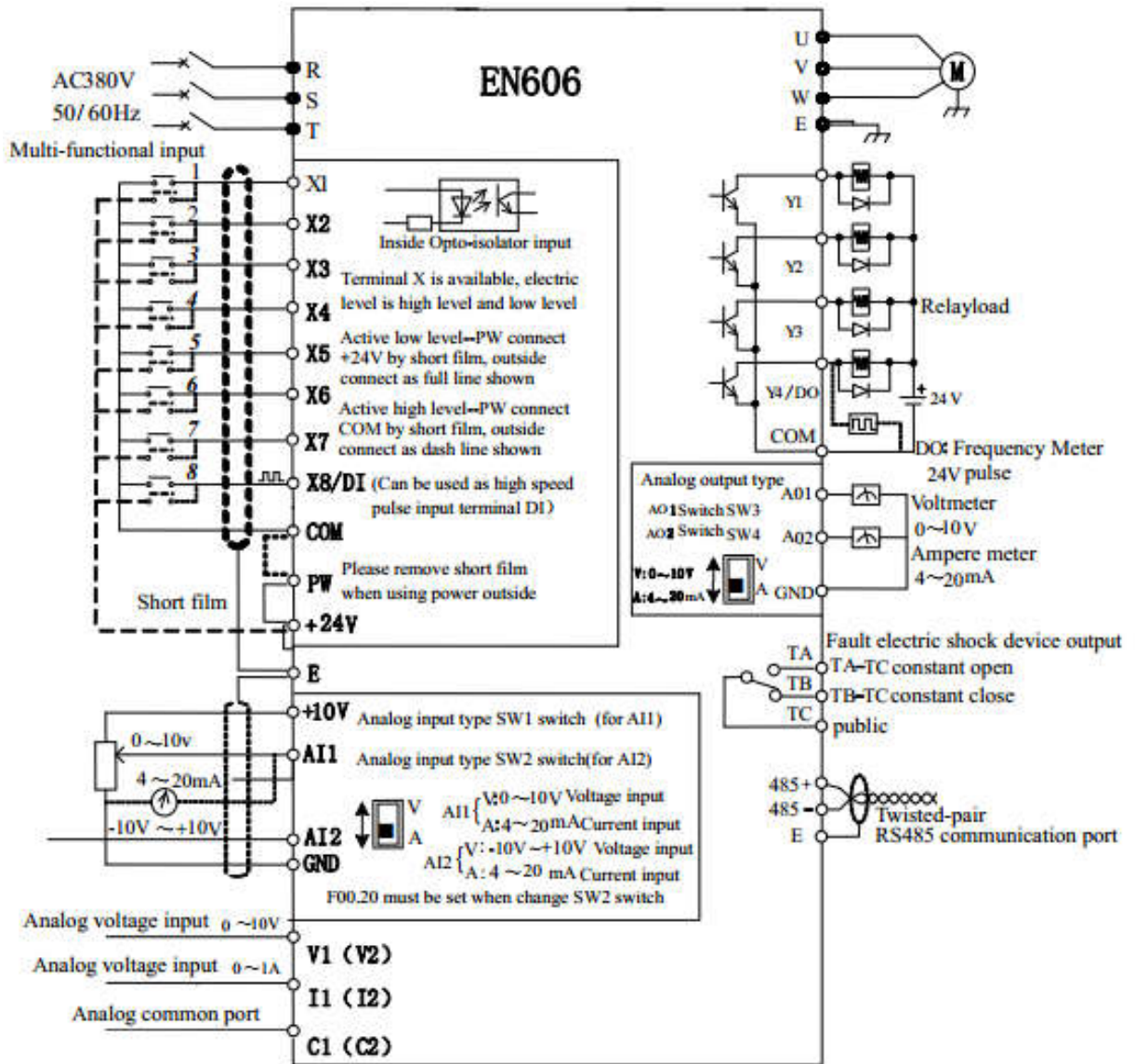
Injection parts widely applied in mobile case, communication, appliance, computers, electronics ,toys, clocks ,motors and other industries.



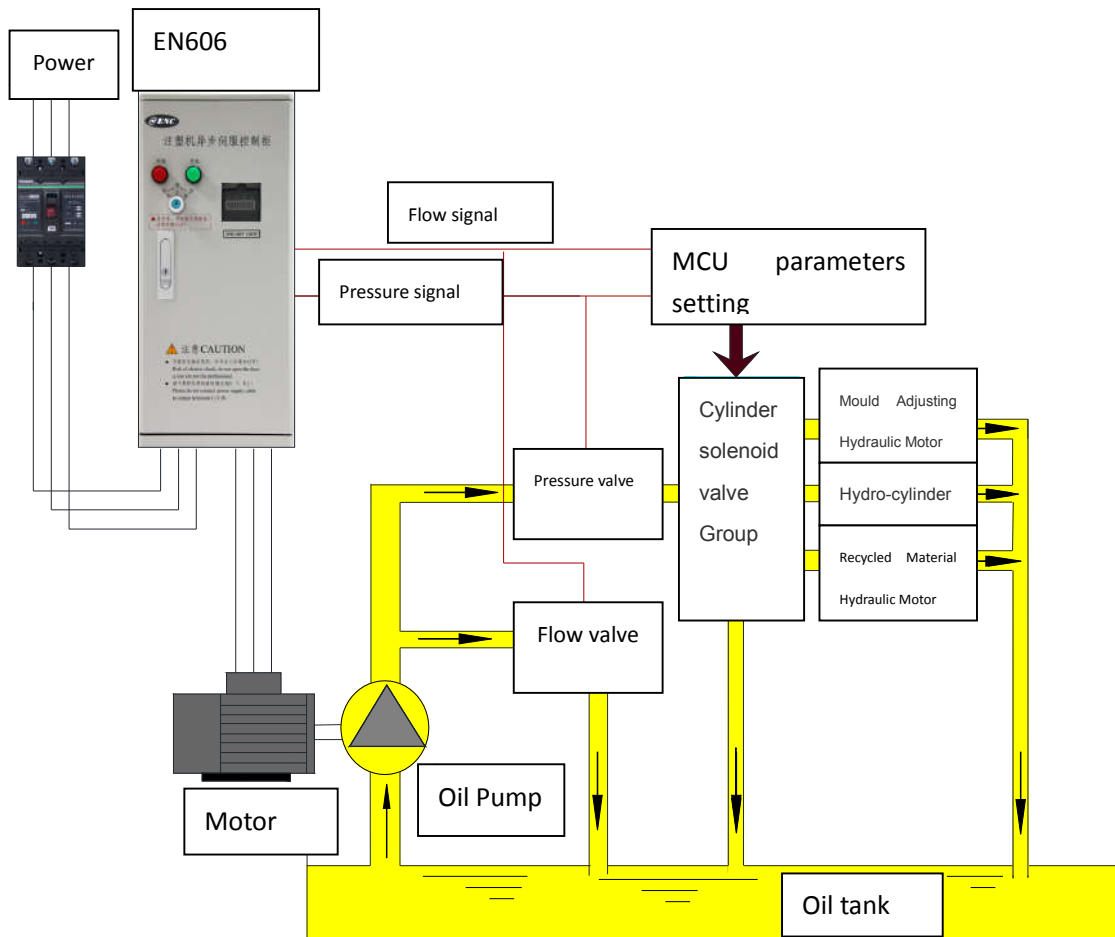
Injection parts

EN606 injection molding application solution

1、 EN606 control wiring:



- 1) **Main circuit:** R/S/T connect grid, U/V/W connect with motor.
- 2) **Control circuit:** EN606 have the function of receiving voltage and current analog signals .If the voltage of pressure and flow signal is between 0~10V,voltage signal will connect with V1- C1 and V2- C2 terminal, if it is 0~1A current signal ,it will connect to I1- C1 and I2- C2 terminal.



EN606 system control diagram

2、EN606 main parameters setting

Function code	Value	Explanation
F15.01~F15.06	Refer to motor nameplate	Refer to motor nameplate to set
F15.19	2	Motor specification self-tuning
F01.15	1	Outside terminal start/stop
F01.17	10	1second
F01.18	10	1second
F22.00	1	Custom 1
F22.01	0010	Pressure curve 1 flow curve 2
F22.10	10	Curve 1 min input
F22.11	0	Motor output frequency
F22.16	70	Curve 1max input
F22.17	100	Motor output frequency
F23.00	10	Curve 2 min input
F23.01	0	Motor output frequency
F23.06	70	Curve 2 max input
F23.07	100	Motor output frequency

3、EN606 Advantage

- Double loop for power source/power saving running, automatic reset and power-off reset.
- Take DSP as the core, flux vector control, speed up time can be 0.1s,high efficiency.
- Great overload capacity:150% of rated current for 3 minutes,200% of rated current for 10 seconds.
- Accept pressure and flow dual channel analog signal 0~1A/0~10V.
- Energy saving 20%~60% .
- The investment can be returned for about 6-15 months by power save.

4、EN606 on site case photos

