HIGH PERFORMANCE PLC (MTC-3000)

Description

- Mid-High range PLC$_{32\ bits}$, programmable through a simple software "Codesys$^{(*)}$" based in standard IEC-1131-3. IP addressing through switch. Its frontal part is made up of:
- 10$_{PIN}$ flat cable has 2 RS-422 gates for interface communication.
- Slot for high memory and data capacity FLASH-EEPROM.
- ETHERNET gate.
- CPU operative states through led diodes:
  - WATCH DOG (check)   RUN (working)
  - TXD (transmission)   RXD (reception)
  - SAVE (save programme)   ERR (error intern operation)
- Switch to force operative situations of the CPU (RUN, STOP, RESET).

Application

Any system programming under programmable logic (allows different programming ways: boxes, contacts, written). Very used in industry for heavy machinery programming:

- Sheeters
- Winders
- Ream wrappers
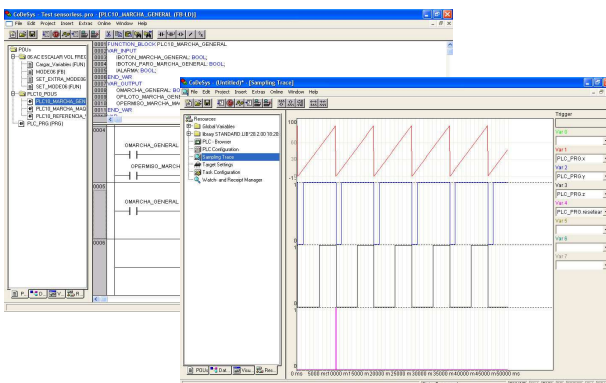- Process controlling in real time
- Others

Additional Data

- ✓ Europe board format.
- ✓ Interruptions by time or extern inputs.
- ✓ Diversity connectable peripherals:
  - motor controllers.
  - Opencan controllers.
  - Profibus controllers.
  - RS485 controllers.
  - Fast counters board.

Common Data

- ✓ Removable flash memory
- ✓ Two RS422 gates of general purpose.
- ✓ Ethernet communication with PC 100/10 RJ45. TCP/IP protocol.
- ✓ Application for variables graphic visualization (Codesys).
- ✓ Rack location (7 or 16 slot, depends on application)
- ✓ Fast counters for high complexity controls.
- ✓ Memory capacities:
  - 512 KByte program memory
  - 512 KByte data memory and I/Os memory (configurable by user)
- ✓ I.P. address assignment through switch.
- ✓ CPU operating states visualization through led diodes.
- ✓ Intern interruptions by time (1ms, 3 programmable by user).
- ✓ Extern interruptions (bus).

(*) *Software developed by SSS Gmbh (Codesys)*