PL250
PLC 20 Inp / 12 Out

Compact PLC for applications requiring flexibility and cascade control with low/medium number of I/O.

All resources are available in a single device, not involving additional boards: CPU, power supply unit, digital I/O (with relay outputs) , analogue I/O not requiring external signal conditioners. Serial communication via RS485 multi-point and ModbusRTU protocl up to 57000 baud.

Development environment Pixsys PLprog is relying on Ladder programming with function blocks (contacts/coils) integrating countings, timings, PID control algorithms, motion control, mathematical and logical functions 16bit, check on words bit.

Wiring is simplified by extractable terminal blocks. The power supply 12...24 Vac/Vdc enables installation not only on control panels/cabinets but also on trucks/tractors.

Ordering codes

PL250-10AD	PLC with 4 An. Inp. (10 bit) + 12 relays 5A
PL260-11AD	PLC with 4 An. Inp. (16 bit for Tc/RTD) + 12 relays 5A

Main features

Box	Standard DIN43880 160 x 90 x 58 (H) mm with DIN RAIL mounting fitting EN50022
Power supply	12...24Vac/Vdc ±15% 50/60 Hz
Consumption	4W
Operating conditions	Temperature 0-45 °C, humidity 35..95 uR%
Material	Noryl V0
Weight	Approx. 375 gr.
Sealing	IP20 Box

Inputs

Analogue (10bit)	4 inp. 0...10Volt or 2 inp. 0...20mA (code -10AD)
Analogue (16bit)	4 selectable for TC, K, J, S, R, T, E, PT100, Ni100, 0/4..20 mA, 0/1..10 V for more details see technical documentation (code -11AD)
Digital	16 inputs PNP

Trimmer	2 for regulations and process variables

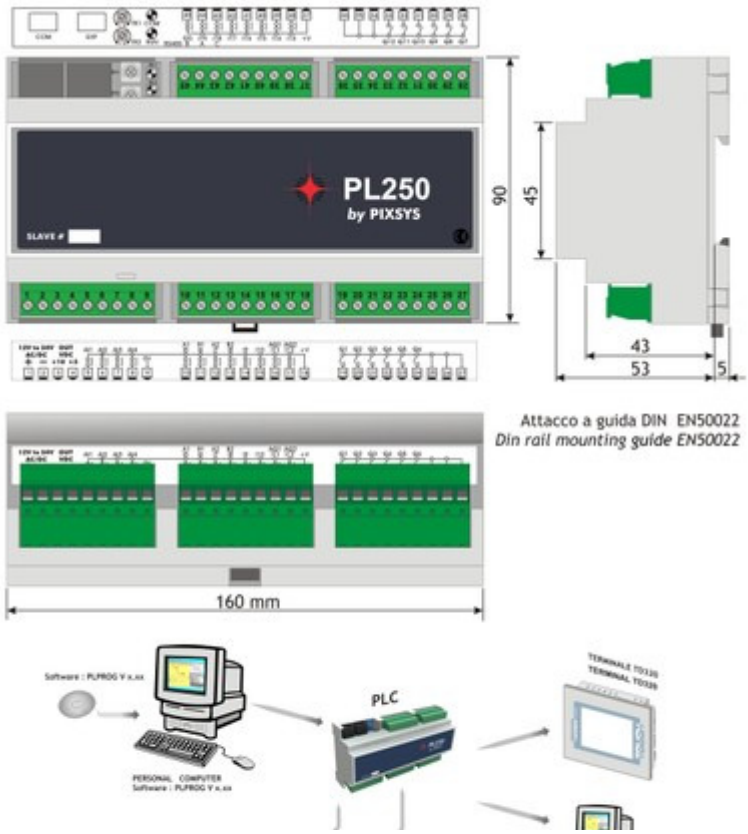
Outputs

Digital	12 relay outputs 5A - resistive charge
Analogue	2 0...10Volt , 8 Bit (overlapped to 2 inputs)
Programming port	1 serial RS232 on Plug
Communication port	1 serial RS485 on Plug or on extraible terminal (max. 57600 Baud)

Software features

Programming	Software Pixsys PLprog, Ladder diagrams; 128 markers (logic relays), 64 bistables, 96 timers 16 bit, 32 up-down counters, mathematical and logic functions, range - rescale, contact bits, 2 timed interrupt (min. 1 ms)
Scanning cycle	min. 2 ms
Communication protocols	Modbus RTU master/slave; Free-Port for Modem or proprietary devices
Memory	64Kbyte Flash for programming, non-volatile Ram memory (6months), 1000 words EEprom, optional MMC 13000 words
Clock	Real-Time clock, Back-up battery
Control algorithms	P, PI, PID, PD

Size and installation



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