PL260
PLC 20 Inp / 16 Out

Compact and powerful PLC ideal to integrate sequential control functions, data processing, management of analogue variables and digital/analogue blocks for motion control.

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 protocol up to 57000 baud or CANopen up to 1 MBaud.

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.

Expansion modules Pixsys MCM260 are available to increase the number of I/O.

Ordering codes

PL260-11AD	PLC 4 An. Inp. + 16 Digitali PNP + 16 static outputs 700mA + 4 outputs 0...10 Volt (10/12 bit)

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

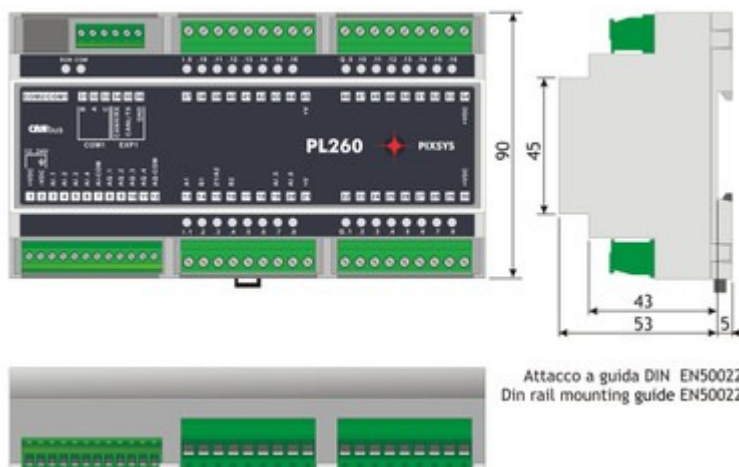| Analogues	4 Selectable for TC, K, J, S, R, T, E, PT100, Ni100, 0/4..20 mA, 0/1..10 V (for more details see technical documentation)
Digitals	16 PNP inputs
Inputs for Encoders	2 Bidirectional encoders (overlapped to 4 PNP inputs) 15 KHz simultaneously / 30KHz single

Outputs

Digital	16 static outputs 700 mA /each output (4A max for groups of 8)
Analogue	2 out 0...10Volt - 8 Bit + 2 out 0...12,5Volt - 13 Bit
Open- Collector	2 out max 20mA
Programming port	1 serial RS232 on Plug
Communication port	1 serial RS485 on Plug or onextractable terminal (max. 57600 Baud) + 1 Bus for CANopen (max. 1 MBaud)

Software features

Programming	Pixsys PLprog software, Ladder diagrams; 128 marker (logic relays), 32 bistables, 64 timers 16 bit, 16 up-down counters, mathematic and logic function, Range - rescale function, contact on bit, 2 timed interrupts (min. 1 msec)
Scanning cycle	minimum 2 msec
Communication protocols	Modbus RTU master/slave; Free-Port mode for Modem or proprietary devices; CANopen Master/slave
Memory	64Kbyte Flash for programming, 350 word non-volatile Ram , 1000 word EEprom, memoria dati MMC interna 13000 word opzionale
Clock	Real-Time clock , Back-up battery
Control algorithms for analogue inp.	P, PI, PID, PD

Size and installation

Attacco a guida DIN EN50022
Din rail mounting guide EN50022

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