

PL500

Modular, flexible, powerful PLC



Modular concept: CPU unit, analogue - digital I/O
Enhanced connectivity: Ethernet, Web Server, CANopen, Modbus RTU/TCP-IP
PID - Autotuning module dedicated to process control

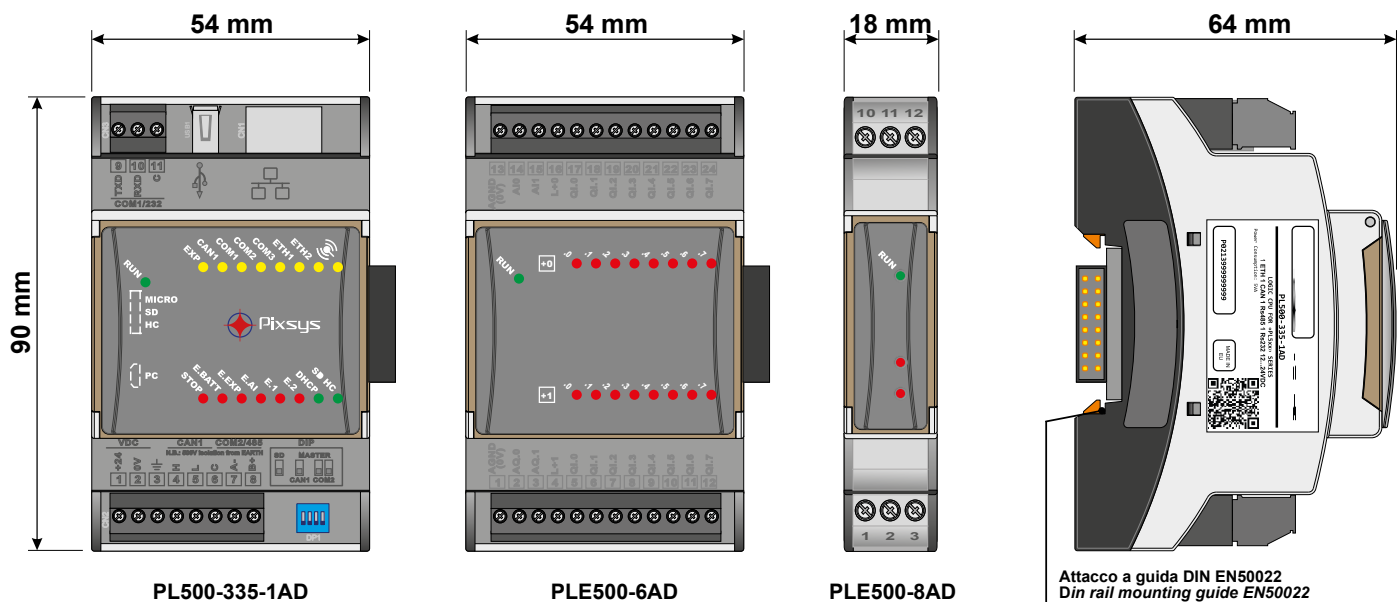
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Dimensions



Main features

Box	DIN43880 - 3 module 54x90x64 (PL500, PLE500-6AD), 1 module 18x90x64 (PLE500-8AD)
Power supply	12..24 V DC +/- 15%
Power consumption	3 W
Operating conditions	Temperature 0-45 °C, humidity 35..95 RH%
Material	Noryl V0
Weight	Approx. 250 g
Sealing	IP20 box
Terminal blocks	Extractable
Software Tool	LogicLab, 5 programming languages: Instruction list, Structured text, Function blocks diagram, Ladder diagram, Sequential Function chart (IEC61131-1)

PL500 technical data

Processor	ARM Cortex A8-1 GHz
Memory	Flash 4 GB/ RAM 512 MB DDR3
Memory Card	Micro SD
Expansion Bus	PLE-DIN-BUS (real time) on DIN RAIL
Field bus	RS485 (Modbus RTU Master/Slave), RS232 (Modbus RTU Master/Slave), CANopen (Master)
USB	1 port for update PLC logic file
Ethernet	1 port 10/100 Base-T on RJ45 connector in switch mode

PLE500 technical data

	PLE500-6AD	PLE500-8AD
Digital input	16 PNP (selectable)	0
Digital output	16 PNP (selectable)	2 PNP
Encoder input	4 (Res. 32 bit, 50 KHz) Push Pull	0
Analogue input	2 (Res.16 bit 40000 points) 4..20mA/0..10V	1 (Res. 16 bit) selectable: TC type K,S,R,J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, (β 3435K), 0..10 V (54000 punti), 0/4..20mA (40000 points), 0..60 mV (16000 points, potenziometer 6 KΩ, 150 KΩ (50000 points)
Analogue output	2 (Res. 16 bit) 0/4..20 mA	1 (Res. 16 bit) 0/4..20 mA
C.T. input	0	50 mA - 20 ms - 4096 points
Bus Protocol	PLE-DIN-BUS (real time) on DIN RAIL	

Ordering codes

PL500-335-1AD	PLC DIN Rail 1 Ethernet, 1 RS485, 1 RS232, 1 CANopen
PL500-335-1AD-WEB	PLC DIN Rail 1 Ethernet, 1 RS485, 1 RS232, 1 CANopen, WEB Server Movicon 11 CE
PLE500-6AD	PL500 Expansion 16 Digital I/O, 2 AI, 2 AO
PLE500-8AD	PL500 Expansion 1 AI, 2 DO, 1 AO