

AC500-eCo: your PLC from ABB

Eight new devices for more scalability



Still more savings

All AC500-eCo devices are fully integrated into the extensive AC500 family in order to value your investments

- **Hardware**
Gain from the scalability of the AC500 family and save on your investments.
- **Software**
Benefit from user-friendly IEC 61131-3 standard software based on CoDeSys which is common to all AC500 family devices and save on your programming costs.
- **Technology**
Take advantage of 128 kB user memory and a program processing time of 0.1 μ s/instruction with AC500-eCo and save on your engineering time.

Far more versatility

The eight new AC500-eCo devices make the range even more flexible and adaptable to your low-end applications

- **Compact**
New 100-240 V AC CPUs. No need of external 24 V DC power supply units for your CPUs in "Stand alone" solutions.
- **All-in-one**
New relay outputs for AC voltage. Switch to higher loads (2 A) without additional interface relays.
- **Multifunctional**
New signal combinations and functions offer a cost-saving solution for your application.

New AC500-eCo CPUs (24 V DC and 100-240 V AC versions with relay outputs)

Type	User program memory	Onboard I/Os DI/ DO/AI/AO	Digital Onboard I/O		Analog Onboard I/O		Power supply	Order code
			Input signal	Output signal	Input signal	Output signal		
PM554-R	128 kB	8 / 6 / - / -	24 V DC	Relay, 24 V DC, 100-240 V AC, 2 A	-	-	24 V DC	1TNE 968 900 R0200
PM554-R-AC	128 kB	8 / 6 / - / -	24 V DC	Relay, 24 V DC, 100-240 V AC, 2 A	-	-	100-240 V AC	1TNE 968 900 R0220
PM564-R *	128 kB	6 / 6 / 2 / 1	24 V DC	Relay, 24 V DC, 100-240 V AC, 2 A	0...10 V	0...10 V, 0...20 mA, 4...20 mA	24 V DC	1TNE 968 900 R1200
PM564-R-AC *	128 kB	6 / 6 / 2 / 1	24 V DC	Relay, 24 V DC, 100-240 V AC, 2 A	0...10 V	0...10 V, 0...20 mA, 4...20 mA	100-240 V AC	1TNE 968 900 R1220

*All analog inputs on AC500 CPU PM564 can be configured as digital inputs.

New AC500-eCo I/O (100-240 V AC inputs, triac and relay outputs)

Type	DI/ DO/ DC	Input signal	Output signal	Terminal block 9 poles	Terminal block 11 poles	Order code
DI571	8DI / - / -	100-240 V AC	-	1	1	1TNE 968 902 R2103
DO571	- / 8DO / -	-	Relay, 24 V DC, 100-240 V AC, 2 A	-	1	1TNE 968 902 R2202
DO572	- / 8DO / -	-	Triac, 100-240 V AC, 0.3 A	1	1	1TNE 968 902 R2203
DX571	8DI / 8DO / -	24 V DC	Relay, 24 V DC, 100-240 V AC, 2 A	1	1	1TNE 968 902 R2302

Terminal blocks (9 or 11 poles) are necessary for S500-eCo I/Os. They are delivered separately.

S500-eCo terminal blocks

Type	Descriptions	Order code
L44460901501	9 poles terminal block for S500 I/O modules, screw front / cable side	1SSS 444 609 R1100
L44461101501	11 poles terminal block for S500 I/O modules, screw front / cable side	1SSS 444 611 R1100
L44440901501	9 poles terminal block for S500 I/O modules, screw front / cable front	1SSS 444 409 R1100
L44441101501	11 poles terminal block for S500 I/O modules, screw front / cable front	1SSS 444 411 R1100
L44470901501	9 poles terminal block for S500 I/O modules, spring front / cable front	1SSS 444 709 R1100
L44471101501	11 poles terminal block for S500 I/O modules, spring front / cable front	1SSS 444 711 R1100



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