

## Automation Products

### AC500-eCo

## Product News AC500-eCo S500-eCo I/O modules

### New S500-eCo I/O modules

#### DC562, DO562 and DO573



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#### Features of new S500-eCo I/O modules

The new output modules DO562 and DO573 as well as the configurable DC562 module extend the range of S500-eCo I/O modules.

The modules can be used with all CPUs in the AC500 and AC500-eCo range and with the communication interface modules CI58x-CN, CI50x-PNIO, CI54x-DP, DC551-CS31 or CI592-CS31 for decentralized configurations in combination with AC500 CPUs.

- **DC562** provides **16 configurable channels** with transistor outputs for 24 V DC 0.5A.
- The DC562 module allows to optimize the configuration mix of inputs and outputs.
- **DO562** contains 16 transistor outputs 24 V DC 0.5A.
- The 16 relay outputs of **DO573** are arranged in two groups which allow the use of different control voltage circuits. Nominal current per contact 2 A. Max load current per group of 8 contacts is 10 A.
- All channels can be simultaneous ON in the normal operation temperature range – no derating for transistor outputs.

#### PLC programming tool

ABB's latest Automation Builder 1.0.1 is the integrated engineering suite which includes the PLC programming tool Control Builder Plus V2.3.

For configuring these modules, new device descriptions must be installed with the Package Manager in Control Builder Plus.

The package for Control Builder Plus version 2.3 is available for download at [www.abb.com/plc](http://www.abb.com/plc) in the section **Software Updates** at the right side.

#### Applications

The modules are intended for larger configurations in projects or OEM applications like water and pumping, material handling, packaging, building automation, HVAC, rubber & plastic and food & beverage.

The DO573 relay module allows to access new and retrofit applications with AC control voltage, as well as applications with different control voltages.

#### Advantages

- More selection possibilities when planning configurations
- Optimized use of space in the cabinet
- Wiring for inputs can be separated from wiring for outputs in combination with e.g. the DI562 module. This simplifies wiring, maintenance and service in the field.
- 16 relay outputs in one module for applications with AC control voltage

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## Product description

The modules are delivered without terminal blocks. The terminal blocks used for AC500-eCo CPUs and S500-eCo I/O modules are identical. For each of the new modules one nine pole and one eleven pole terminal block is required and must be ordered separately.

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Product Designation/Product Type	Order Code	Description
DC562	1SAP231900R0000	DC562: S500, Digital I/O Mod. 16DC: 24 V DC/0.5A, 1-wire
DO562	1SAP230900R0000	DO562: S500, Digital Out. Mod. 16DO-Transistor: 24 V DC/0.5A, 1-wire
DO573	1SAP231300R0000	DO573: S500, Digital Out. Mod. 16DO-Relay: 230 V AC/2A, 1-wire

## Terminal blocks suitable for the new S500-eCo I/O modules

Description	Product Designation for 9 pole terminal block	Order Code for 9 pole terminal blocks (Quantity: 6 pieces)	Product Designation for 11 pole terminal block	Order Code for 11 pole terminal blocks (Quantity: 6 pieces)
Screw type terminal block with cable insertion from the side	TA563-9	1TNE968901R3101	TA563-11	1TNE968901R3102
Screw type terminal block with cable insertion from the front	TA564-9	1TNE968901R3103	TA564-11	1TNE968901R3104
Spring type terminal block with cable insertion from the front	TA565-9	1TNE968901R3105	TA565-11	1TNE968901R3106

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