New S500-eCo I/O modules
DC562, DO562 and DO573

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
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.

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

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

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