The FM562 is the entry level module for motion applications with AC500 / AC500-eCo PLCs together with servo drives such as ABB MicroFlex Analog.

Applications
The FM562 module is intended for simple motion and point to point positioning applications, typical applications are small machines:

- Packaging machines / food & beverage e.g. vertical form fill and seal (VFFS) machines, labeling machines, cartoner
- Material Handling e.g. handling & assembly equipment, conveyors, pick and place machines, positioning
- Printing e.g. industrial inkjet plotter, label printing, offset press, folding machines
- Machine tools and metal forming e.g. metal/plastic cutting, electrical processing/line cutting, laser processing
- Textile machines e.g. printing
Advantages

- The FM562 modules can be connected to ABB MicroFlex Analog servo drives.
- Programming with PLCopen® motion control function blocks.
- The profile generator running on the module reduces the load of the CPU. This allows to use AC500-eCo CPUs for positioning tasks with several axis.
- The module fits to all CPU types in the AC500 / AC500-eCo range which allows to select the right CPU performance matching to the number of axis and complexity of the application program.
- Depending on the CPU performance, the modular solution allows up to 10 modules on one CPU, this corresponds to 20 axis.
- The FM562 module can be used in a remote expansion of the CPU. Up to 10 modules on one PROFINET® node, up to 6 modules on one PROFIBUS DP® node or up to 3 modules on one CANopen® node.

Product description

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Order code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM562</td>
<td>1SAP233100R0001</td>
<td>FM562: S500, Pulse Train Output Module, 2-axis, RS422</td>
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</tbody>
</table>

Product description of the software library required for programming

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Order code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS552-MC-E</td>
<td>1SAP192100R0002</td>
<td>PS552-MC-E: AC500, Motion Control library Engineering license, PLCopen w. Coord. SW libraries USB Stick w. docu, license</td>
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</tbody>
</table>
Terminal blocks suitable for S500-eCo I/O modules

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 new module one nine pole and one eleven pole terminal block is required and must be ordered separately.

<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>
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</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>
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<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>
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<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>
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