The PM595 offers enhanced performance, reliability, scalability and integrated Safety combined with advanced connectivity capabilities in a well-designed and now awarded housing.

Features of the new CPU PM595

This CPU - the PM595 - combines the characteristics of the established AC500 product family, scalable, flexible and multisignal approach of the I/O devices with a leading edge performance processing unit. Added with versatile connectivity for legacy systems, today's favored networks.

- High speed 1.3GHz processor with floating-point unit
- Large amount of User / Program memory
- A variety of backup and data storage capabilities
  - 3MB retain memory; integrated 4GB
- Fan less hardware
- Integrated Safety (with SM560-S)
- Versatile connectivity for legacy systems, today's favored networks and for future demands
  - 4 Ethernet ports, 2 with integrated switch and software configurable protocol
  - 2 Serial ports (RS232 / RS485)
  - 2 Slots for standard AC500 communication modules
- S500 I/O Modules
  - S500 and S500-eCo series, fast I/Os based on modular EtherCAT; multisignal in one I/O;
- HMI
  - Connectivity capabilities for CP600 series

Applications

- Machinery applications
- Infrastructure (tunnels, airports, buildings)
- Water and Wastewater
- Renewable Energies

Advantages

- Operation - fast and reliable
  - Outstanding performance (1650 bit,1000 word, 1000 floating point instructions in 1µs)
  - Large amount of User / Program memory 16MB /16MB with Error Checking and Correction
  - High speed applications e.g. motion control (>64 axis regulation in 1ms cycle>)

(page 1 of 2)
Automation Products GmbH
AC500 PLCs
The new AC500 CPU PM595

- Robustness
  - Outstanding performance (1650 bit, 1000 word, 1000 floating point instructions in 1µs)
  - Large amount of User / Program memory (16MB / 16MB with Error Checking and Correction)
  - High speed applications e.g. motion control (>64 axis regulation in 1ms cycle>)
- Communication and fieldbus
  - Versatile connectivity in various combinations, fieldbus independent approach
  - Smooth migration, creating separate Networks with one Hardware
  - Providing a soft architecture for future demands with software configurable protocols

- High amount of simultaneous connections to online devices (IP sockets)

- Security
  - Tested against intrusion (acc. Wurldtech, member of ENCS European Network for Cyber Security)
- Compatible to the AC500 I/O family assortment
- Integrated safety solution
- Programming, Automation Builder – one Engineering Suite

Ordering Information

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<th>Description</th>
<th>Order Code</th>
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<tr>
<td>PM595-4ETH-F</td>
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<tr>
<td>PM595-4ETH-M-XC</td>
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