Product release information of standard and XC version of
AC500-S Safety PLC modules

Ideal for Functional Safety applications in:
- Cranes and Hoists
- Robotics
- Mining
- Wind turbines
- Escalators and Lifts
- Packaging and Material Handling
- Integrated safety and non-safety CPU required

Dear Colleagues & AC500 users,

We are pleased to announce the product release of AC500-S (-XC) Safety PLC modules for the US market.

We are focused on the above application segments as they are a great fit for our products as part of a safety solution.

This product will meet the need of functional safety requirements of our existing AC500 PLC customers.

Product features
- All safety modules support up to SIL3 (IEC 61508, IEC 62061) & PL e (ISO 13849-1)
- Approvals for CE, cUL, UL and C-Tick. TüV Certified
- Address/configuration switch on the safety CPU allows flexible configuration concept in machine building
- Safety CPU could be configured to work even if the non-safety CPU goes to STOP mode or in maintenance mode or during online changes
- Extreme condition (XC) versions available!
- Max. length for connected digital IO process signals up to 1000m
- Supports trigonometric functions in safety!
- Direct connection to PROFINET certified safety components saves I/O modules and eliminates wiring efforts (PROFINET devices)
- High number of test pulses ensures high degree of fault diagnostics and fast reaction from the connected sensors.
- Same look and feel of the Engineering software
- Structured Text (ST) programming in safety applications in addition to regular Ladder Logic (LD) and Function Block Diagram (FBD)
- Supports PLCopen Safety-Library functions. TüV certification documents available.
- Safety Code Analysis tool (PS501-SCA) for ensuring well-structured programming code to safety standard(s)
- Extensive user management to protect the pro-gram and configuration data.

Customer Benefits
- Ensures safety to man, machine and environment while assuring investment protection
- One Engineering software for both standard and safety PLC programming reduces the overhead and guarantees shortest learning curve (same hardware and software platform)
- With Automation builder software, it is possible to seamlessly integrate PLC, Safety, HMI, Drive, Motion and Robotics applications in a single project!

Ordering Information

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<th>Order Codes</th>
<th>Product Description</th>
<th>List Price</th>
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<td>SM560-S Safety CPU</td>
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<td>1SAP198000R0001</td>
<td>PS501-S Safety Software License</td>
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To utilize the safety functionality, Automation Builder is required and users must purchase the additional PS501-S Safety Software Programming License.

License pricing is per seat. Please contact your local sales office for information on multiple seat license requests.

Best Regards,

Christopher T. Stamas
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