



Rail

Mehr Sicherheit.
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	____ / LoC ABB AC500S Normenerweiterung TUEV SUED.docx				

Confirmation of compliance for AC500-S to application standards

Dr. Mr. Veryha,

we confirm the compliance of the AC500-S to the applicable parts of the standards mentioned in Table 1.

Table 2 refers the documentation to identify the AC500-S system components.

Standard	Description
EN 12622:2001	Machine tools – Safety of machine tools – Hydraulic press brakes
EN 692:2005+A1:2009	Machine tools – Mechanical presses – Safety
EN 693:2001+A1:2009	Machine tools – Safety – Hydraulic presses
EN 60204-1:2006	Safety of machinery – Electrical equipment of machines – Part 1: General requirements
EN 61496-1:2009	Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests
NFPA79:2007	NFPA 79 - Electrical Standard for Industrial Machinery

Sitz: München
Amtsgericht München HRB 154539
USt.-IdNr. DE 814 205 994
Informationen gemäß §2 Abs. 1 DL-InfoV
unter www.tuev-sued.de/impresum

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UL1998:2000	Standard for Safety-Related Software
IEC 61131-6:2012	Programmable controllers – Part 6: Functional safety
EN 61511:2005	Functional safety – Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and software requirements

Table 1 Standards

Document	Description
Z10 13 01 83652 001	TÜV SÜD certificate for Safety PLC AC500-S (-XC)
AH84732C rev. 1.1	TÜV SÜD report to certificate Z10 13 01 83652 001 incl. module and version list

Table 2 System identification

The implementation conditions and restrictions mentioned in the report to the certificate have to be applied. The following additional conditions of use apply with respect to the standards mentioned in Table 1:

1.) NFPA79:


- a. No application for battery operated vehicles without additional measures for undervoltage handling.
- b. Chapter 4.4.6 “Contaminants” fulfilled only using –XC version of AC500-S.

2.) EN 61496-1

- a. Chapter 4.2.1 “Electrical supply: DC supplies from batteries” without additional measures for undervoltage handling.
The system is not suitable for use in battery-operated vehicles.
- b. Chapter 4.3.2.2 “Supply voltage interruptions” are tested in accordance to IEC 61131-2.

Best regards,


(Peter Weiß)
Technical Certifier


(Guido Neumann)
Project Leader