

## Statement regarding the

### “Declaration of incorporation” according to 2006/42/EC (Machinery Directive)

SEMIKRON produces Power Semiconductor Devices which are specified in the product data sheets.

These electronic components may not be connected as stand alone components to a main supply. They are only parts of e.g. a drive connected to a rotating system or other applications and may only be used together with other components in electronic assemblies. The machinery directive is only applicable for rotating systems and drives or major subassemblies of those. A declaration of incorporation for power semiconductor devices according to 2006/42/EC is not applicable.

The Low Voltage Directive – 2006/95/EC – does not allow a CE marking for electronic basic components like IGBT and thyristor modules because they are as standalone unit's not assessable concerning safety. Safety can only be considered in the assembled system or subsystem.

SEMIKRON products are developed, designed, manufactured and tested according to the relevant product standards to allow the equipment manufacturer – by appropriate usage of the components – to meet the requirements of the Low Voltage and the Machinery Directive and to confirm this for his equipment by attaching the CE conformity marking, respectively by giving his EC declaration of conformity.

Standards which apply to our components are listed in enclosure 1.

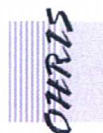
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TÜVRheinland®  
**CERT**  
ISO 9001  
VDA 6.1

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**Standards, applicable to Power Semiconductor Devices**

The following standards apply to SEMIKRON Power Semiconductor Devices. For details please refer to the datasheets and to the documents listed below:

<b>Details in Data Sheets, Test Procedures</b>	
IEC 60191 (series of standards)	Mechanical standard (package)
IEC 60747-1	Semiconductor devices, general
IEC 60747-2	Semiconductor devices, rectifier diodes
IEC 60747-6	Semiconductor devices, thyristors
IEC 60747-8	Semiconductor devices, field effect transistors (MOSFET's)
IEC 60747-9	Semiconductor devices, IGBT's
IEC 60747-15	Semiconductor devices, isolated power semiconductor
<b>Reliability / Development Guidelines</b>	
IEC 60068-2 -1	Environmental Testing : Low temperature storage
IEC 60068-2-1-14 Na	Environmental Testing : Thermal cycling
IEC 60068-2-2	Environmental Testing : Dry heat
IEC 60068-2-6 FC	Environmental Testing : Vibration (sinusoidal)
IEC 60068-2-27 Ea	Environmental Testing : Shock
IEC 60068-2-67	Environmental Testing : Damp heat, steady state
EN 50178	Electronic equipment for use in power installations: general isolation test procedure
EN 61800-5-1	Adjustable speed electrical power drives systems. Safety requirements.
UL 1557	Electrically Isolated Semiconductor Devices
UL 94	Flammability test of plastic material