

# **ⓓ Manufacturer's declaration**

**In the context of EU Directive governing electromagnetic compatibility  
89/336/EWG and**

**EU Directive governing electrical tooling for use  
within defined voltage limits  
73/23/EWG**

**Parker Hannifin GmbH & Co.KG**

Declares that the designated product

|                     |                                    |
|---------------------|------------------------------------|
| <b>Device type:</b> | <b>Compact servo control unit</b>  |
| <b>Device name:</b> | <b>Compax C3SxxxVxIxxFxxTxxMxx</b> |

is, by virtue of its design concept and construction, and with reference to the version which we have put into circulation, fully compliant with the following standards or standard-related documentation.

**Applied, harmonized standards, in particular:**

## **Electromagnetic compatibility**

**EN 61 800-3** EMC product standard for adjustable speed electrical power drive systems  
**VDE 0160 Teil 100** Including specific test methods

## **Safety**

**EN 50 178/** Electronic equipment for use in power installations  
**VDE 0160**

## **Caution!**

This conformity declaration is only valid if the operational parameters comply with the chapter on „Operating Conditions“ as defined in the Product Handbook.

If there are any deviations or modifications to the product, this declaration shall cease to apply.

Date

# Explanations and notes

## Regarding the EMC Directive:

The manufacturer's declaration applies in conjunction with the appropriate handbooks and documentation. Here, appropriate grid filters and relevant parameters are specified: compliance is mandatory with limit values relating to emissions and immunity as defined in EN 61 800-3.

## Regarding the low-voltage Directive:

### General

The harmonized European standard applicable to our products is EN 50 178, entitled "Equipment of high-voltage plant with electronic tooling". This classification is based on a recommendation from the *Staatliches Gewerbeaufsichtsamt* in Freiburg (statement by Mr. Rieder).

### Equipment safety

The equipment range Compax 3 satisfies the safety requirements requested in the harmonized European standard EN 50 178. The addressed components are devices in protection class I with protective grounding. There is reliable electrical separation between the power circuit and the control current circuit. This is achieved by means of reinforced insulation with appropriate clearance and creepage distances and the use of protective impedances which reduce voltages and currents to harmless levels.

### High-voltage test

A high-voltage type test of equipment range Compax 3 conducted in accordance with EN 50 178 has been completed successfully. This test involved two interconnected lines L1/L2/L3 (3 phase) or L/N (single phase) and ground/earth being subjected for 5s to a test voltage of 1700VDC without current transfer. This type test has been carried out successfully for a voltage of 2120VDC. The required high-voltage item test will be carried out at 2120VDC for 1s on the end product.

Offenburg, 16.01.2003

i.V. Hans-Peter Manßhardt, responsible for CE-matters

---