



**AMKASYN**  
VARIABLE SPEED DRIVES

## **Application memo Nr. AP 2004/19-1**

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Subject to technical changes

### **CoDeSys KW/KU-PLC/PLC1, Functions and synchronous level**

#### **Abnormality:**

When a function is used in the asynchronous program part and in the quick level (FPLC\_PRG) errors occur during the processing of the function. The cause for that is that the transfer parameters have been made globally. If the function is interrupted by the quick level and is called up once more in it, then the (global) variables of the call up of the asynchronous level are overwritten by the second call up. The corresponding behaviour in the SYMAC still needs to be checked.

#### **Solution:**

There are two ways to solve this problem:

- Convert the function into an object and to work with object instances.
- Write an own function for the synchronous level (double code).