The Library SysLibSymbols.lib

If supported by the target system (CSP32F as from Version 2.4.5.0), the function SysLibGetSymbolAddress provided by this library can be used to read the physical address of a symbol of an IEC project. The processing is done synchronously.

The function
SysLibGetSymbolAddress

This function of type DWORD returns the physical address fo the given symbol. A variable must be specified by its full name, e.g. ‚PLC_PRG.a' or ‚.global_var'.

As a precondition the symbol file must be available on the PLC and the symbol must be entered in the symbol file. The appropriate settings are to be done in the project options and in the target settings dialogs.

There is still the possibility to get the address of a variable by the CoDeSys ADR operator (e.g. ADR(PLC_PRG.a)). But in this case the symbol must be known already at compile time. The SysLibGetSymbolAddress function however allows to adapt the symbol name during runtime.

The return value is the address of the variable resp. 0 in case the symbol could not be found.

Input Variable	Datentyp	Beschreibung
pszSymbol	STRING	variable name