

The Library SysLibProjectInfo.lib

If the target system supports the functionality, then the functions contained in this library can be used to read the Project Info (CoDeSys Menu 'Project' 'Project Info') resp. the Project ID. The execution is synchronous.

Changes for Version SysLibProjectInfo23.lib are marked blue.

Function SysGetProjectInfo

This function of type BOOL provides the components of the project info which was entered in the programming system ('Project' 'Project Info'); the structure PROJECT_INFO is used for that purpose.

TRUE is returned if the operation has been successful, otherwise FALSE.

Input Variable	Data type	Description
ProjectInfo	POINTER TO PROJECT_INFO	Pointer on the project information which is stored in the structure PROJECT_INFO. The ADR operator can be used to retrieve the offset)

Changes for SysLibProjectInfo23.lib:

Only one application is supported. The checkbox "Automatically generate POUs for property access" being part of the Project Information (menu item "Project") has to be marked.

Structure PROJECT_INFO

The components of this structure contain the Project Information which was entered in CoDeSys ('Project' 'Project Info'). It is used by the function SysGetProjectInfo.

Component	Data type	corresponding field in dialog 'Project Info' in CoDeSys
dtDate	DT	'Change date:'
stProject	STRING(255)	'File:'
stTitle	STRING(255)	'Title:'
stVersion	STRING(255)	'Version:'
stAuthor	STRING(255)	'Author'
stDescription	STRING(255)	'Description:'

Function SysGetProjectID

This function returns the project ID. The ID is generated by CoDeSys. It is used by CoDeSys to determine whether the project in the editor and the project on the controller are identical, whether an online change can be performed, or whether they are different projects.

The project ID is also stored in the symbol file. Using this function a visualization can check if the symbol file fits to the project on the controller.

The function has no input variable. Its return value of type DWORD contains the project ID.

The function is supported by runtime systems CSP32F 2.4.5.0 and newer.

Changes for SysLibProjectInfo23.lib:

The function returns zero always. As the project ID is 16 Byte in Version 3, it does not fit the return type of the function.

Function SysGetProjectRetainSize

This function retrieves the retain area of the first application. Only one application is supported.

The function has no input variable. Its return value of type DWORD contains the retain area.