The Library SysLibTime.lib

ThisLibrary contains functions This library provides function blocks for reading the realtime clock of the local computer:

- CurTime
- CurTimeEx

Used structures:

- SystemTime
- SysTime64

CurTime

This function block provides the value of the realtime clock of the computer in microseconds; using the structure SysTime64.

Input Variable	Data type	Description
SystemTime	SysTime64	Realtime read from the local computer in microseconds, see structure SysTime64

CurTimeEx

This function block provides extended information on the value of the realtime clock of the computer; using the strucutre SystemTimeDate.

Input Variable	Data type	Description
SystemTime	SysTime64	Realtime read from the local computer in microseconds, see structure SysTime64
TimeDate	SystemTimeDate	Detailled information on the value of the realtime clock of the computer, see structure SystemTimeDate

Structure SysTime64

This structure contains the value of the realtime clock of the computer in microseconds. A Low- plus a High-DWORD are used for that purpose, thus 64 Bit are available. The structure is used by the function blocks CurTime and CurTimeEx.

Component	Data type	Description
ulLow	DWORD	Low DWORD of the realtime value (microseconds)
ulHigh	DWORD	High DWORD of the realtime value (microseconds)

Structure SystemTimeDate

This structure contains the following information the value of the realtime clock of the computer. It is used by the function block CurTimeEx.

Component	Data type	Description
dwLowMSecs	DWORD	The realtime is returned in microseconds, using a Low DWORD plus a High DWORD, see also in structure SysTime64Structure_SysTime64>Proc
dwHighMsec	DWORD	
Year	UINT	Year, e.g. "2002"
Month	UINT	Month, e.g. "12"
Day	UINT	Day of month, e.g. "3"
Hour	UINT	Hour of the current day, e.g. "13"
Minute	UINT	Minutes of the current hour, e.g. "43"
Second	UINT	Seconds of the current minute, e.g. "15"
Milliseconds	UINT	Milliseconds of the current second, e.g. "649"
DayOfWeek	UINT	Day of the week, e.g. "2" (Monday = 1)