

Reference	ControllerStatus
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+ Support	http://support-omron.fr/

Read and display Error Status of Controller NJ/NX

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- III. Function Block WebControllerStatus

I. Function Block ControllerStatus

Function	Retrieves various error statuses, levels and error codes from the NJ / NX controller as well as the FW version of the program. It also makes possible to execute Reset networks.	
Symbol		
File	ControllerStatus.zip	
Controllers	Controller	Function Block
	NJ101-1xxx, NJ301	NJ501 NJ_ControllerStatus.slr
	NX1P2, NX102-1xxx, NX7	NX_ControllerStatus.slr
	NJ101-9000 et NJ101-9020	NJ1NoMotion_ControllerStatus.slr
	NX102-9000 et NX102-9020	NX1NoMotion_ControllerStatus.slr
Principe	<p>The Function block ControllerStatus expose in the structured variable following information:</p> <ul style="list-style-type: none"> - Status of EtherCAT, EthernetIP, Motion, bus CJ (CJ1W), bus NX-IO (NX). - Slave and error code erreur - Firmware Version of the controller - Program Version of the controller - User Program Version (to defined) <p>Error can be also reset from the function block or from the corresponding IAG</p>	

Input Variables

Name	Type	values	Function
Execute	BOOL	OFF-ON	ON = FB execution

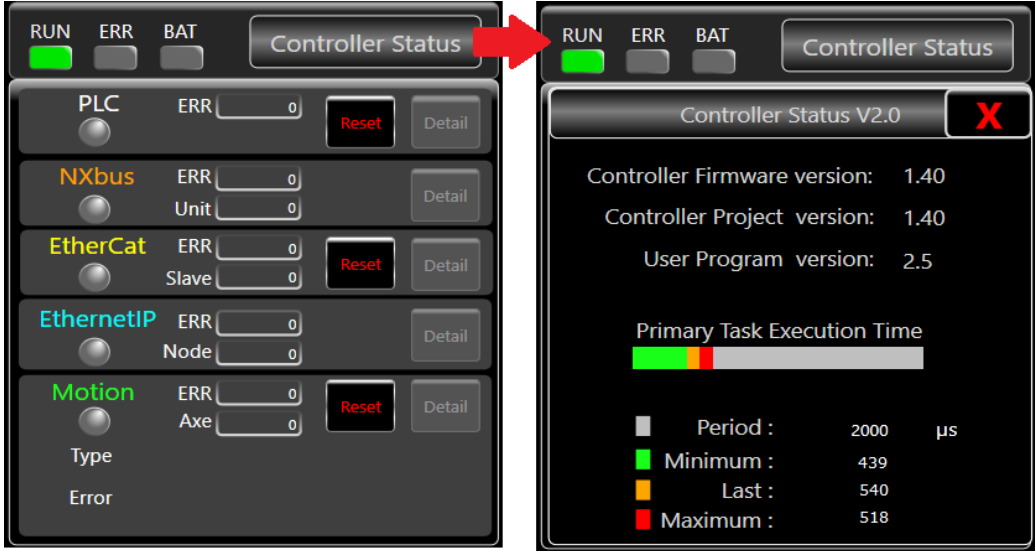
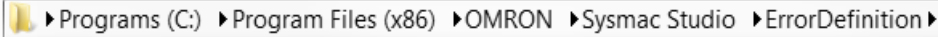
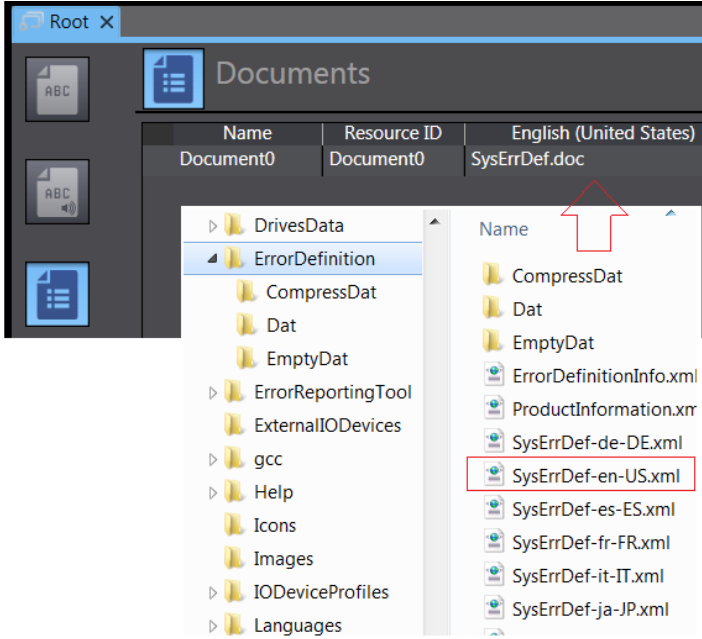
Variables de sortie

Name	Type	values	Function
ENO	BOOL	OFF-ON	ON = executing

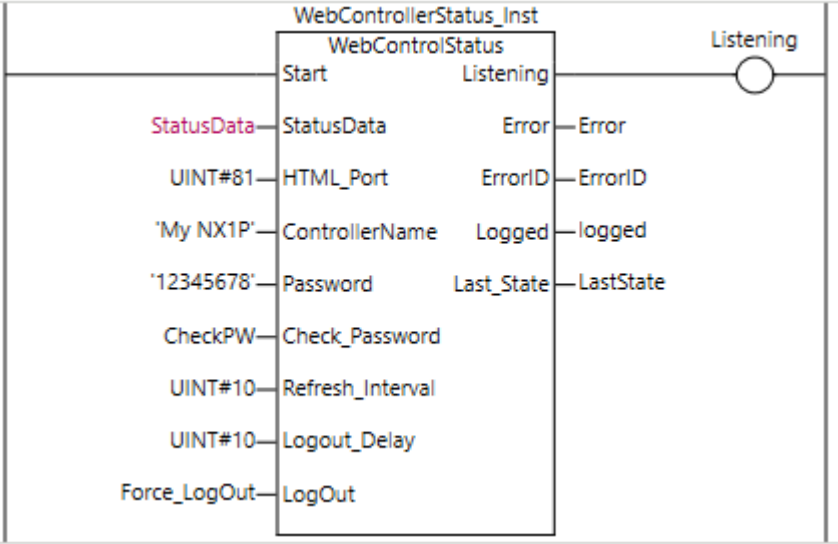
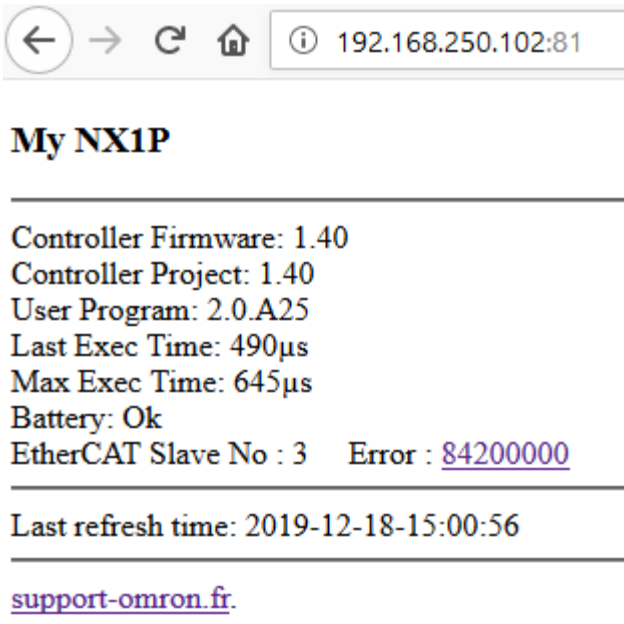
Input/Output variables

Name	Type	Function
StatusData	CS\sControlStatus	
	BOOL	Mode_RUN ON when FB executed
	BOOL	EC_Err EtherCAT network error
	UINT	ECSlave_Error EtherCAT Slave N° in error
	DWORD	EC_Code EtherCAT error code
	UINT	EC_Level EtherCAT error level
	BOOL	EIP_Err EthernetIP network error
	UINT	EIPNode_Error EthernetIP Slave N° in error
	DWORD	EIP_Code EthernetIP error code
	UINT	EIP_Level EthernetIP error level
	BOOL	MC_Err Motion network error
	UINT	MCAxe_Error Motion slave N° in error
	DWORD	MC_Code Motion error code
	UINT	MC_Level Motion level error
	BOOL	PLC_Err PLC error
	DWORD	PLC_Code PLC error code
	UINT	PLC_Level PLC level error
	BOOL	NX_Err NX IO bus error
	DWORD	NX_Code NX IO bus error code
	UINT	NX_Level NX IO bus level error
	UINT	NX_UnitErr NX unit N° in error
	BOOL	CJB_Err CJ bus error
	DWORD	CJB_Code CJ bus error code
	UINT	CJB_Level CJ bus level error
	UINT	CJB_UnitErr CJ unit N° in error
	BOOL	Alm_Battery Battery low
	BOOL	Error_Flag At list, one error exist
	WORD	Drive_Error Servodrive error
	STRING[21]	Drive_Type ServoDrive Type
	STRING[[6]	FW_Version Controller Firmware Version
	STRING[[6]	Project_Version Controller Program Version
	STRING[12]	Program_Version User program Version (to define)
	UDINT	MaxExecTime Maximum execution time of primary task
	UDINT	MinExecTime Minimum execution time of primary task
	BOOL	Exceeded Fixed period of primary task exceeded
	UDINT	TaskPeriod Primary task period defined
	BOOL	Reset_PLC Reset PLC error
	BOOL	Reset_ECT Reset EtherCAT network error
	BOOL	Reset_MC Reset Motion network error
	BOOL	Reset_IObus Reset CJ bus error
	BOOL	Reset_NXbus Reset NX IO bus error

II. IAG ControllerStatus 2.1

<p>Function</p>	<p>Displays the error status, the firmware and program versions of the NJ / NX controller provided by the ControllerStatus library. Displays additional information about the error based on the error code.</p>
<p>File</p>	<p>ControllerStatus.iag</p>
<p>View</p>	
<p>Condition of use</p>	<p>The IAG WebControllerStatus use the file SysErrDef-en-US.xml to get the description of the error. You can find this xml file in:  Rename the file SysErrDef-en-US.xml (or the one corresponding to your local language) to SysErrDef.Doc Then, add the file in the resource of your project</p> 

III. Function Block WebControllerStatus

<p>Function</p>	<p>Display error status and firmware/program versions on a web browser obtained by the ControllerStatus function block. Error code have hyperlink allowing to get complete information on the error code from the web site support-omron.fr.</p>
<p>File</p>	<p>ControllerStatus.zip</p>
<p>Preview of the FB</p>	
<p>Preview of the HTML page</p>	

Input variables

Name	Type	values	Function
Start	BOOL	OFF-ON	ON = FB execution
StatusData	CS\sControlStatus		See definition above
HTML_Port	UINT	1-65535	Local Port (80 and 21 not available)
ControllerName	String		Name to be displayed on the web page
Password	String(8)		Password
Check_Password	BOOL	OFF-ON	Password Activation
Refresh_Interval	UINT	0-9999	Read frequency (second) 0: no refresh
Logout_Delay	UINT		Delay of no activity before disconnection
LogOut	BOOL	OFF-ON	Force to disconnect client

Output variables

Name	Type	values	Function
Listening	BOOL	OFF-ON	ON = FB listening for a client
Error	BOOL	OFF-ON	Execution error
ErrorID	WORD	0-FFFF	Error Code
Logged	BOOL	OFF-ON	Incorrect password
Last_State	String(32)		Last error