How-To-Do

Konfiguration of the CPU 31xS for Application with RS485

Content

1   General

1.1   Information

This 'How-To-Do' describes, how you can configure a SPEED7 CPU for the application with RS485 in the SIMATIC Manager from Siemens.

You can find a detailed description of the SPEED7 CPUs in the manual under the link http://www.vipa.com/de/service-support/manuals/control-systems/300s/.
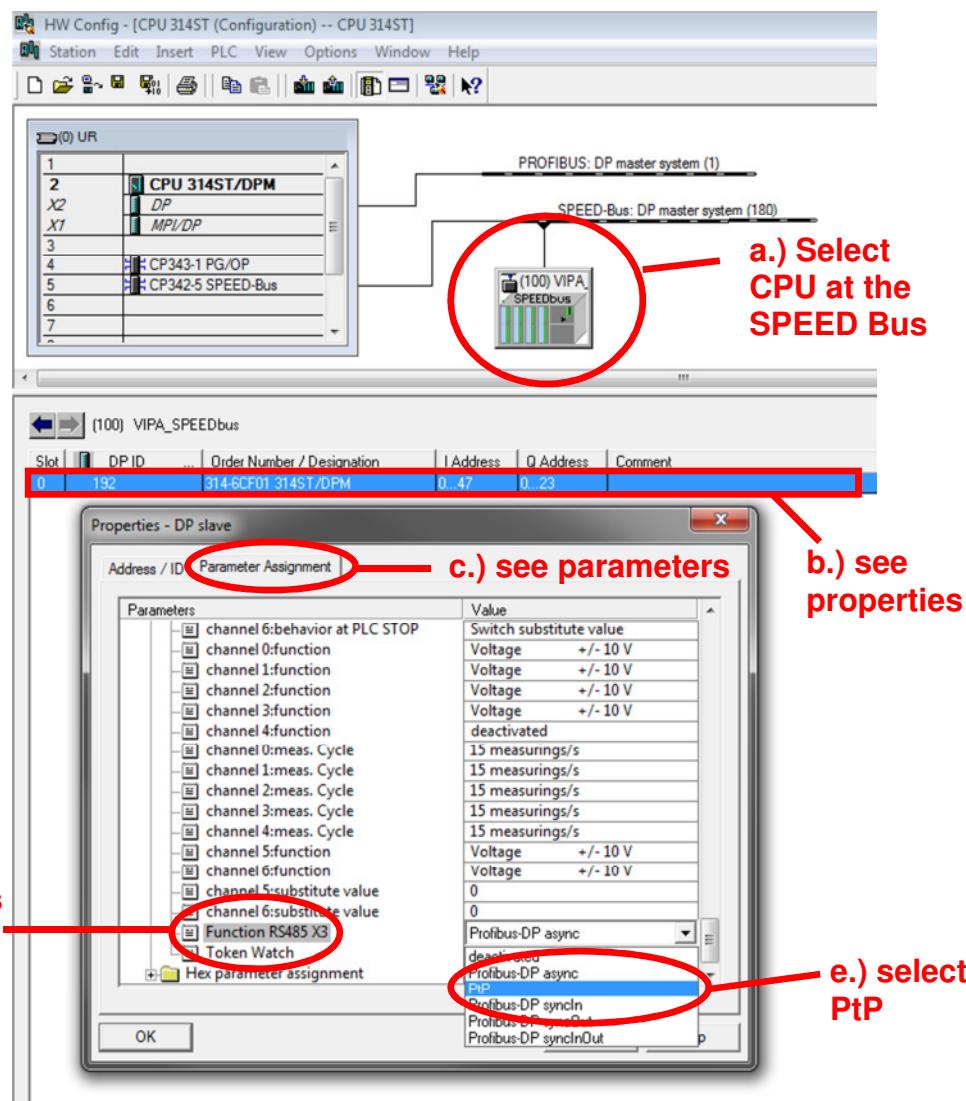
1.2   Reference

In this 'How-To-Do' the principal procedure is described by means of examples.

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2   Step by Step Procedure

1. Start the **SIMATIC Manager** from Siemens and create your project corresponding to your hardware conditions. In this How-To-Do the example project of the CPU 314ST is used as basis.

2. Open the hardware configuration of the respective VIPA CPU.

3. Select the CPU an the Speed Bus [see picture – inscription a.)]

4. See the object properties of the CPU in the spreadsheet [see picture – inscription b.)]

5. A new window opens, select ‚parameter‘ [see picture – inscription c.)]

6. Search for the record ‚function RS485‘ [see picture – inscription d.)]

7. Select the pull-down menu for the value ‚PtP‘ [see picture – inscription e.)]

8. Confirm by <OK> and save the hardware configuration.

9. The parameterization is executed at the runtime using the SFC216 (SER_CFG). Here you must store the parameters for all protocols in a data building block with the exception of ASCII.

3   Revision History

3.1   Changes:

DATUM	ÄNDERUNGEN	BEARBEITER
17.01.2007	Erstellung	A.Mühlfelder
02.06.2014	Überarbeitung Layout und Text	N. Schlimm
19.03.2014	Übersetzung Englisch	N. Schlimm
02.06.2014	Textanpassen und Screenshots (Englisch)	M. Dörnhöfer