Application Note No. AP 2010/37-1e

Date: 14.09.2010
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File name: AP_2010_37-1e

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Topic: EtherCAT slave with a changed revision

The EtherCAT master reads the revisions of the connected EtherCAT slaves during bus initialisation and checks if the read revision stand of each slave is similar to revision recorded in the configuration file.

At the controllers AS-PLx and AS-Cx as EtherCAT master with a firmware ≤ AS_314_1004_202847 the diagnosis message 2727 Info3=2 *Slave has wrong revision* is generated, if during bus initialisation at least one slave is recognized which has a revision which is different from the revision in the configuration file.

Steps to prevent

- Disable revision check in the controller: Set EtherCAT instance 3 ID34026 Bit 2 = 1. Switch controller off and on again.

or:

- Open existing AIPEX PRO project and logon to the EtherCAT network. Assign the xml device description file to the slave in the AIPEX PRO tab "Messages" "Options" and choose the changed revision stand. Create the configuration new. After the next startup of the EtherCAT network the changed configuration will be recognized.

Application examples

- Firmwareupdate of the controller card KW-R05 to the firmware version AER5-6 V1.05 2010/32 (AMK part no. 203194)
- EtherCAT I/O modules with a changed revision will be connected in a EtherCAT network with a existing configuration file.