

CDE3000 Positioning Controller System

Internal Update Service for Basic Firmware

Stand: 31.07.2006

File: CDE_Basis_EN_Homepage.doc

Introduction

As part of our product maintenance process, we are continuously extending the firmware of the drive system. This software update service is intended to provide you with information on new releases and improvements of the various software versions.

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1 Version 3.00-03

First released version:	CS (XOR): AEC9
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2 Version 3.10-01

Changes compared with version: V 3.00-03	CS (XOR): 0B41
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2.1 New Functions

No.:	Function:
1.	Control, SZUE <ul style="list-style-type: none">• Direction of rotation via FGPOL• Speed tracking error control included (SDIF)
2.	I/O, Encoder <ul style="list-style-type: none">• Resolver cable break detection activated• SSI wire break detection activated again
3.	Field bus <ul style="list-style-type: none">• Object 607E Polarity for DS402 set points and actual values implemented• Profibus-Module-sizes (CM-DPV1) included in Scope• Can-Object 606C "actual speed" included
4.	Parameter <ul style="list-style-type: none">• Encoder setting NONE included• Default APGN = 0• Default R-FLW = HALT• Value range from DOOPC to 0 ... 1 limited, default == 1• Def. R-FLW = HALT• R-OFF : parameter setting warning or no reaction
5.	Others <ul style="list-style-type: none">• New Scope-sizes: Input and output word UM8I4O, ENPO, PLC-variable

2.2 Changes, Improvements

No.:	Changes, Improvements
	Control, SZUE <ul style="list-style-type: none"> • New functionality E-OFF: E-OFF will be announced when the device will be switched-on too early • Zero-Offset for ISA1 corrected • Bug fixing, resolver position jumps at E-CAN-31 • Reworked calculation of uzk • Resolver: wrong error message corrected • Cam gear: Or-disjunction via all cams for PLC-flag reworked
	I/O, Encoder <ul style="list-style-type: none"> • Bug fixing: analogue input 0..10V at setting „set point 0 at 0V“ with no function • In case that several inputs are parameterized to the same function, values will be OR-gating (pos. logic) or AND-gating (neg. logic). Logic at disjunction multiple/HOLD corrected
	Field bus <ul style="list-style-type: none"> • EDS-File: Update via CIA-Conformance-Test • Reset of Sync-cycle time (Conformance-Test) • Error at setting inputs OSD0/1/2 via PZD cleared • Bug fixing Interpolated Position Mode and homing

3 Version 3.10-03

Änderungen gegenüber Version: V 3.10-01	CS (XOR): D5D7
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3.1 New Functions

Nr.:	Functions
1.	Fieldbus <ul style="list-style-type: none"> • The actual Position in increments is shown in the parameter 6063H (position actual value) • The actual velocity is shown the parameter (606CH velocity actual value).
2.	Control The new parameter 258 FOPAR to set internal and external outputs. This parameter can be mapped as object 2102H: <ul style="list-style-type: none"> • OS00 Bit 1 • OS01 Bit 2 • OS02 • OE00 • OE01 • OE02 • OE03 • OV00 • OV01 • OS03 • OS04

3.2 Changes, Improvements

Nr.:	Changes / Improvements
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1.	PLC: Checks to write or read a parameter via PLC are improved (the attempt to write an non existing parameter is detected and ignored).
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Subject to technical changes.