Execution SER-01

1. Sercos-Slave interface for controller in the basic device with SW 01

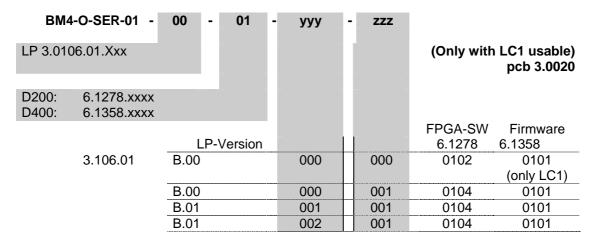
Typedesignation: BM4-SER-01-00-01

Part No.:381241

Function: Sercos-Slave interface for controller in the basic device with SW 01

Presuppositions: BM44XX-XX-XXXXX-01

Information of nameplate:



Hardware history

The printed circuit board 3.0106.01.B00 is the first official version.

The printed circuit board 3.0106.01.B00 is introduced with AT076_05 from March 17, 2005.

• Optimized boot behavior (Reset level at the option modules)

FPGA software history

The FPGA-software 1.02 is the first official version.

The FPGA-software 1.04 is introduced with AT076_05 from March 17, 2005.

- Synchronization behavior improves with restart of the synchronization
- Improvement of the BACI-Timing

Firmware history

The Firmware-software 1.01 is the first official version.

Indication

The Firmware 1.01 can be served only basic devices with SW01.

Update-Indication

Firmware and FPGA-SW always update together at last version.

2. Sercos-Slave interface for controller in the basic device with SW 03

Typedesignation: BM4-SER-01-00-00

Part No.:350461

Function: Sercos-Slave interface for controller in the basic device with SW 03

Presuppositions: BM44XX-XX-XXXXX-03

Information of nameplate:

	0-SER-01 -	00 - 00 -	ууу	- ZZZ		
LP 3.0106	5.01.Xxx					(<u>not</u> with LC1 !!)
D200: D400:	6.1278.xxxx 6.1358.xxxx					
		LP-Version			FPGA-SW 6.1278	Firmware 6.1358
	3.106.01	B00	000	000	0102	0101
		B.00	000	001	0105	0102
		B.01	001	001	0105	0102
		B.01	001	001	0105	0105
		B.02 / C.02	002	001	0105	0105
		B.02 / C.02	002	003	0105	0106
		B.02 / C.02	002	004	0105	0107
		B.02 / C.02	002	005	0105	0108
		B.02 / C.02	002	006	0105	0109

Hardware history

The printed circuit board 3.0106.01.B00 is the first official version.

The printed circuit board 3.0106.01.B01/C02 is introduced with AT076_05 from March 17, 2005.

Optimized boot behavior (Reset level at the option modules)

FPGA software history

The FPGA-software 1.02 is the first official version.

The FPGA-software 1.05 is introduced with AT076_05 from March 17, 2005.

- Synchronization behavior improves with restart of the synchronization
- Improvement of the BACI-Timing

Firmware history

The Firmware-software 1.01 is the first official version.

The Firmware-software 1.02 is introduced with AT399_04 from November 02, 2004.

Support of new parameters (\$390/\$405/\$406)

The Firmware-software 1.05 is introduced with AT096_05 from April 01, 2005.

- Support of new parameters (S0051/S0390/S0179/S0197/S0198/S0189/P0363)
- Support of the modulo-axis for absolute encoder
- P-parameters are cyclically transferable, if it is permit by the controller

The Firmware-software 1.06 is introduced with AT124 05 from July 07,2005.

- The monitoring of the bit 14 of the sercos control board is disengageable
- Control parameter P0485 IxT can be read out
- Calculating of the torque-values is corrected

The Firmware-software 01.07 is introduced with AT371 05 from November 17, 2005.

Problems removed at error-reset over SERCOS

The Firmware-software 01.08 is introduced with AT266_06 from October 10, 2006.

- Extension / optimization pressure foot function,
- New Sercos command spindle positioning, parking axle
- · Conform to Sercos pack profile basic A
- New Sercos parameters motor temperature and recovery time
- Optimizations for start up routine

The Firmware-software 01.08 is introduced with AT266 06 from October 10, 2006.

- Boot up optimizing
- Optimizing sercos command (S0148)
- Zyklische Übertragbarkeit Parameter P0462 and P0484
- Setting the scale of parameters S036, S0040, S0091 and S0103 to 0 decimal places like in software version 1.07
- Statemachine without Sercos Pack Profil

Indication

The Firmware 1.02 can be served only basic devices with SW03.

Update-Indication

Firmware and FPGA-SW always together update at last version.

3. Sercos-Slave interface for SW 03 (customer version G&L)

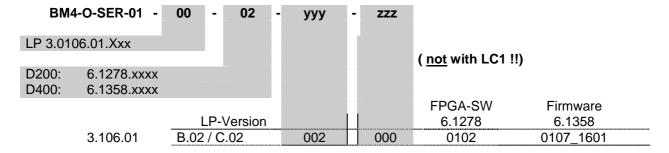
Typedesignation: BM4-SER-01-00-02

Part No.:396787

Function: Sercos-Slave interface for controller in the basic device with SW 03

Presuppositions: BM44XX-XX-XXXXX-03

Information of nameplate:



Hardware history

The printed circuit board 3.0106.01. B01/C02 is the first official version.

FPGA software history

The FPGA-software 1.02 is the first official version.

Firmware history

The Firmware-software 1.07_1601 is the first official version.

Indication

Costumer version G&L.

Update-Indication

Firmware and FPGA-SW always together update at last version.