

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:

BM4-O-SER-01		00	01	yyy	zzz		
LP 3.0106.01.Xxx						(Only with LC1 usable) pcb 3.0020	
D200:	6.1278.xxxx					FPGA-SW	Firmware
D400:	6.1358.xxxx					6.1278	6.1358
	3.106.01	LP-Version					
		B.00	000	000	0102	0101	(only LC1)
		B.00	000	001	0104	0101	
		B.01	001	001	0104	0101	
		B.01	002	001	0104	0101	

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:

BM4-O-SER-01 - 00 - 00 - yyy - zzz

LP 3.0106.01.Xxx

(not with LC1 !!)

D200: 6.1278.xxxx

D400: 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 (S390/S405/S406)

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:

BM4-O-SER-01 - 00 - 02 - yyy - zzz			
LP 3.0106.01.Xxx			(<u>not</u> with LC1 !!)
D200: 6.1278.xxxx			
D400: 6.1358.xxxx			
	LP-Version	FPGA-SW	Firmware
3.106.01	B.02 / C.02	6.1278	6.1358
	002	0102	0107_1601

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

Customer version G&L.

Update-Indication

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