Description

AX5806

Default values for the permissible motors

Version: 1.1.1
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BECKHOFF

Table of contents

1 Foreword

1.1 Notes on the manual

This description is only intended for the use of trained specialists in control and automation technology familiar with the applicable national standards. It is essential that the following notes and explanations are followed when installing and commissioning these components.
The responsible staff must ensure that the application or use of the products described satisfy all the safety requirements, including all the relevant laws, regulations, guidelines and standards.

1.1.1 Disclaimer

This documentation has been prepared with care. The products described are, however, constantly under development. For this reason, the documentation may not always have been fully checked for consistency with the performance data, standards or other characteristics described.
If it should contain technical or editorial errors, we reserve the right to make changes at any time and without notice.
No claims for the modification of products that have already been supplied may be made on the basis of the data, diagrams and descriptions in this documentation.

1.1.2 Brands

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1.1.3 Patents

The EtherCAT technology is patent protected, in particular by the following applications and patents: EP1590927, EP1789857, DE102004044764, DE102007017835 with the corresponding applications and registrations in various other countries.

The TwinCAT technology is patent protected, in particular by the following applications and patents: EP0851348, US6167425 with the corresponding applications and registrations in various other countries.

1.1.4 Copyright

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1.1.5 Delivery conditions

In addition, the general delivery conditions of the company Beckhoff Automation GmbH & Co. KG apply.

1.2 Safety instructions

1.2.1 Delivery state

All the components are supplied in particular hardware and software configurations appropriate for the application. Modifications to hardware or software configurations other than those described in the documentation are not permitted, and nullify the liability of Beckhoff Automation GmbH & Co. KG.

1.2.2 Operator's obligation to exercise diligence

The operator must ensure that

- the TwinSAFE products are only used as intended (see section Product description);
- the TwinSAFE products are only operated in sound condition and in working order (see chapter *Cleaning*).
- the TwinSAFE products are operated only by suitably qualified and authorized personnel.
- the personnel is instructed regularly about relevant occupational safety and environmental protection aspects, and is familiar with the operating instructions and in particular the safety instructions contained herein.
- the operating instructions are in good condition and complete, and always available for reference at the location where the TwinSAFE products are used.
- none of the safety and warning notes attached to the TwinSAFE products are removed, and all notes remain legible.

1.2.3 Description of safety symbols

The following safety symbols are used in these operating instructions. They are intended to alert the reader to the associated safety instructions.

 **DANGER**	**Serious risk of injury!** **Failure** to follow the safety instructions associated with this symbol directly endangers the life and health of persons.
 **WARNING**	**Caution - Risk of injury!** **Failure** to follow the safety instructions associated with this symbol endangers the life and health of persons.
 **CAUTION**	**Personal injuries!** **Failure** to follow the safety instructions associated with this symbol can lead to injuries to persons.
 **Attention**	**Damage to the environment or devices** **Failure** to follow the instructions associated with this symbol can lead to damage to the environment or equipment.
 **Note**	**Tip or pointer** This symbol indicates information that contributes to better understanding.

1.2.4 Origin of the document

This description was originally written in German. All other languages are derived from the German original.

1.2.5 Version numbers of the description

Version	Comment
1.1.1	• Certificate added
1.1.0	• Documentation versions added • Company address amended
1.0.0	• First released version

2 System description

With the integration of safety technology in the drive technology, Beckhoff consistently developed the TwinSAFE system philosophy further. TwinSAFE enables integrated automation, ranging from digital inputs and logic systems to drives or digital outputs. Simple handling, diagnostic and support functions help the user to implement the required application quickly and safely.

Significant hazards to persons arise from the dynamic movements of the electrical drive equipment of machines. The controlling of these hazards whilst achieving a smooth production flow is a big challenge.

The Beckhoff servo amplifiers from the AX5xxx series become fully-fledged safety drives with the AX5806 TwinSAFE drive option card.

The option card is able to switch the motor torque-free or to monitor speed, position and direction of rotation (in accordance with EN ISO 13849-1:2006 to PLe). No further circuits are necessary for this, such as circuit breakers or contactors in the supply lines or special external encoder systems.

This enables a very lean installation and helps to lower costs and control cabinet space. No special encoder system is required in order to implement the SDI (Safe Direction) or SLS (Safely Limited Speed) functions; all Beckhoff motors listed in the document “AX5806 – List of permissible motors” can be used without further expenditure and without additional encoder systems for these functions. Even safe position monitoring or position range monitoring is simple to implement with the aid of the AX5806 module.

This does not result in any additional wiring, since EtherCAT communication is used in the AX5xxx basic controllers. The AX5806 TwinSAFE drive option card is a self-contained EtherCAT Slave and communicates directly via the AX controller with a TwinSAFE logic terminal existing in the network.

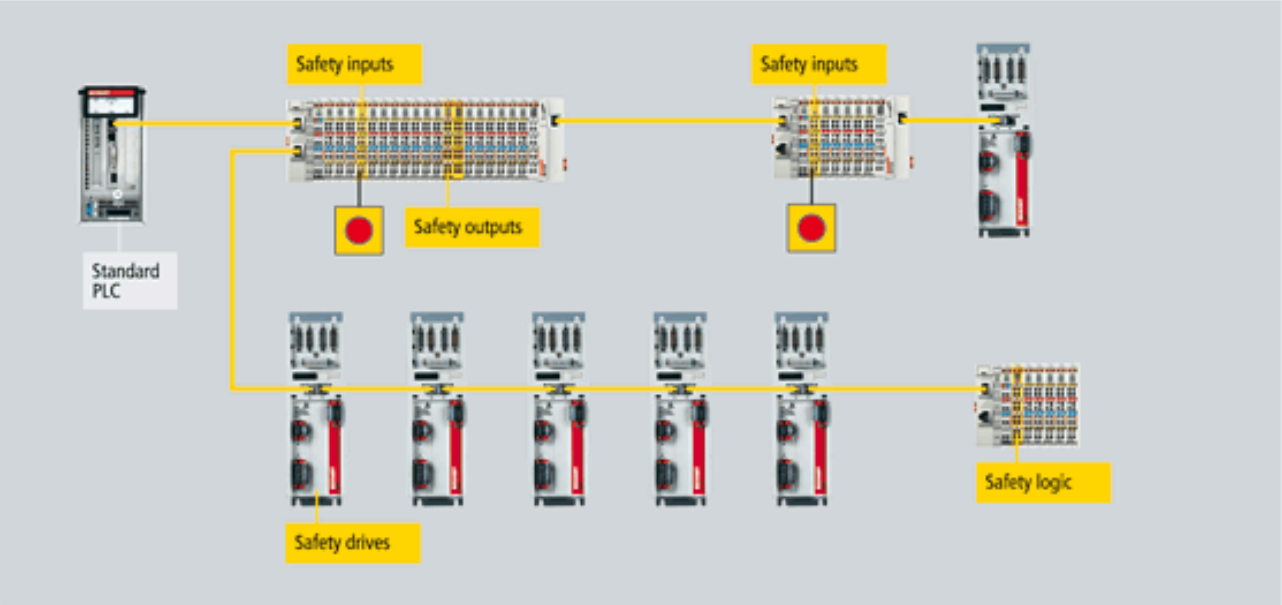

Figure 1: TwinSAFE system overview

3 Prerequisites

3.1 TwinCAT

The use of AX5806 in an AX5000 requires TwinCAT version 2.11 build 2241 or higher. The current version is always available for download from the Beckhoff website.

3.2 TwinCAT Drive Manager

The Tc Drive Manager is part of the TwinCAT installation, although it can be installed separately at any time. The current version (or a version matching the drive) is available from the drive support.

3.3 EtherCAT ESI file

Currently, a new ESI file ELx9xx.xml is required for the AX5806. It is available from Beckhoff support. In future TwinCAT versions this file will be included.

3.4 Motor string

The following tables contain the correct default values for the listed motors. The motor string can be found on the configuration tab for the AX5xxx in the TwinCAT software. In current TwinCAT versions, a distinction may be made between motor type and motor order code. In the safe parameters the motor type is entered, not the order code. In current TwinCAT versions the motor string is entered in text form, i.e. it no longer has to be entered as an ASCII code.

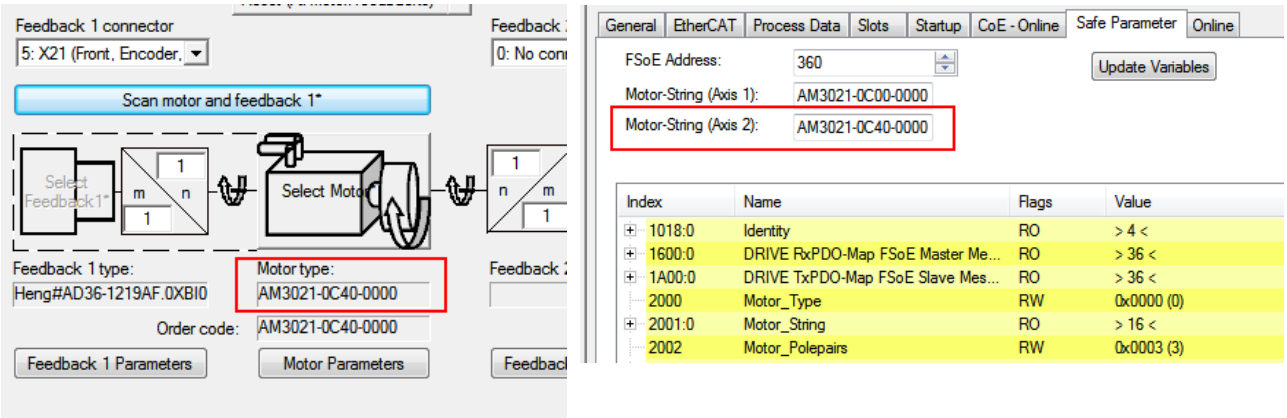

Figure 2: Motor string

4 Default values for permissible motors

Note	**Motor default data** The specified values for the motor default data parameter may require adaptation according to the application to be implemented. Should the AX5806 issue diagnostic messages, the motor default data can be decreased or increased by 0x1000, for example.

CAUTION	**Supported AX5000 devices** The following motor types can be used with suitable servo drives of type AX5160 to AX5172 or AX5190 to AX5193 , together with the AX5806. Other combinations are not permitted.

4.1 Motor types AM30xx

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3051-xExx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 31 2D xx 45 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xx45 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3051-xGxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 31 2D xx 47 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xx47 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3051-xHxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 31 2D xx 48 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xx48 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3051-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 31 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3052-xExx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 32 2D xx 45 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3235 SubIndex 004: 0x xx2D SubIndex 005: 0x xx45 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3052-xGxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 32 2D xx 47 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3235 SubIndex 004: 0x xx2D SubIndex 005: 0x xx47 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3052-xHxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 32 2D xx 48 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3235 SubIndex 004: 0x xx2D SubIndex 005: 0x xx48 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3052-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 32 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3235 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3052-xLxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 32 2D xx 4C xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3235 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4C SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3052-xMxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 32 2D xx 4D xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3235 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4D SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3053-xGxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 33 2D xx 47 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xx47 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3053-xHxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 33 2D xx 48 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xx48 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3053-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 33 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3053-xLxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 33 2D xx 4C xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4C SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3053-xMxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 33 2D xx 4D xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4D SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3053-xPxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 33 2D xx 50 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xx50 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3054-xGxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 34 2D xx 47 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3435 SubIndex 004: 0x xx2D SubIndex 005: 0x xx47 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3054-xHxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 34 2D xx 48 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3435 SubIndex 004: 0x xx2D SubIndex 005: 0x xx48 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3054-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 34 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3435 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3054-xLxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 34 2D xx 4C xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3435 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4C SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3054-xNxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 35 34 2D xx 4E xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3435 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4E SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3062-xGxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 32 2D xx 47 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xx47 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3062-xHxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 32 2D xx 48 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xx48 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3062-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 32 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3062-xMxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 32 2D xx 4D xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4D SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3062-xPxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 32 2D xx 50 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xx50 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3063-xGxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 33 2D xx 47 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xx47 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3063-xHxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 33 2D xx 48 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xx48 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3063-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 33 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3063-xLxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 33 2D xx 4C xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4C SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
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AM3063-xNxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 33 2D xx 4E xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4E SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3064-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 34 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3436 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3064-xLxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 34 2D xx 4C xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3436 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4C SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3064-xPxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 34 2D xx 50 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3436 SubIndex 004: 0x xx2D SubIndex 005: 0x xx50 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3065-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 35 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3536 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3065-xLxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 35 2D xx 4C xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3536 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4C SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3065-xMxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 35 2D xx 4D xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3536 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4D SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3065-xNxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 35 2D xx 4E xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3536 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4E SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3065-xPxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 36 35 2D xx 50 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3536 SubIndex 004: 0x xx2D SubIndex 005: 0x xx50 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3072-xKxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 32 2D xx 4B xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3237 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4B SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3072-xMxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 32 2D xx 4D xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3237 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4D SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3072-xPxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 32 2D xx 50 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3237 SubIndex 004: 0x xx2D SubIndex 005: 0x xx50 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3072-xQxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 32 2D xx 51 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3237 SubIndex 004: 0x xx2D SubIndex 005: 0x xx51 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3073-xMxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 33 2D xx 4D xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3337 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4D SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3073-xPxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 33 2D xx 50 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3337 SubIndex 004: 0x xx2D SubIndex 005: 0x xx50 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3073-xQxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 33 2D xx 51 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3337 SubIndex 004: 0x xx2D SubIndex 005: 0x xx51 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3074-xLxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 34 2D xx 4C xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3437 SubIndex 004: 0x xx2D SubIndex 005: 0x xx4C SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3074-xPxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 34 2D xx 50 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3437 SubIndex 004: 0x xx2D SubIndex 005: 0x xx50 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3074-xQxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 37 34 2D xx 51 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3437 SubIndex 004: 0x xx2D SubIndex 005: 0x xx51 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3082-xTxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 38 32 2D xx 54 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3238 SubIndex 004: 0x xx2D SubIndex 005: 0x xx54 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3083-xTxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 38 33 2D xx 54 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3338 SubIndex 004: 0x xx2D SubIndex 005: 0x xx54 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3084-xTxx-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 30 38 34 2D xx 54 xx xx 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3033 SubIndex 003: 0x 3438 SubIndex 004: 0x xx2D SubIndex 005: 0x xx54 SubIndex 006: 0x 2Dxx SubIndex 007: 0x xxxx SubIndex 008: 0x xxxx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

4.2 Motor types AM35xx

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3541-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 34 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3134 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3542-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 34 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3234 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3543-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 34 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3334 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3551-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 35 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3552-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 35 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3235 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor Default Data
AM3553-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 35 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3562-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 36 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM3563-xxxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 33 35 36 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3533 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

4.3 Motor types AM80xx

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8051-xGxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8051-xExx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8051-xKxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8052-xJxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8052-xFxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8052-xLxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8053-xKxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8053-xGxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8053-xNxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 35 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8061-xJxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3136 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8061-xGxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3136 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8061-xMxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3136 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8062-xLxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8062-xJxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8062-xPxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8063-xNxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8063-xKxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8063-xTxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 36 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8071-xNxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 37 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3137 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8072-xPxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 37 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3237 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8073-xQxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 30 37 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3038 SubIndex 003: 0x 3337 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

4.4 Motor types AM85xx

Motor	Motor Type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8551-xGxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8551-xExx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8551-xKxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor Type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8552-xJxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8552-xFxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8552-xLxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3135 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8553-xKxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8553-xGxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor Type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8553-xNxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 35 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3335 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	4	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8561-xJxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3136 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8561-xGxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3136 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8561-xMxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 31 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3136 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8562-xLxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

Motor	Motor Type	Motor string	Number of pole pairs	Speed Compare Window	Speed Compare Violationlevel	Motor default data
AM8562-xJxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8562-xPxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 32 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3236 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8563-xNxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8563-xKxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000
AM8563-xTxx	0	TwinCAT version ≥ 2.11 R3 build 2221: Motor type in text form (see chapter 3.4) TwinCAT version < 2.11 R3 build 2221: 41 4D 38 35 36 33 2D xx xx xx xx Input safe parameters: SubIndex 001: 0x 4D41 SubIndex 002: 0x 3538 SubIndex 003: 0x 3336 SubIndex 004: 0x xx2D SubIndex 005: 0x xxxx SubIndex 006: 0x 00xx	5	0x B4	0x14	AX5806 SW ≥ 06 0x0000

4.5 ASCII table

Hex value	Character	Hex value	Character	Hex value	Character	Hex value	Character	Hex value	Character	Hex value	Character
0	(zero)	2E	.	5C	\	8A	è	B8	©	E6	µ
1	☺	2F	/	5D	]	8B	ï	B9	╣	E7	þ
2	☻	30	0	5E	^	8C	î	BA	║	E8	Þ
3	♥	31	1	5F	_	8D	ì	BB	╗	E9	Ú
4	♦	32	2	60	`	8E	Ä	BC	╝	EA	Û
5	♣	33	3	61	a	8F	å	BD	¢	EB	Ù
6	♠	34	4	62	b	90	É	BE	¥	EC	ý
7	•	35	5	63	c	91	æ	BF	┐	ED	Ý
8	◘	36	6	64	d	92	Æ	C0	└	EE	¯
9	○	37	7	65	e	93	ô	C1	┴	EF	´
A	◙	38	8	66	f	94	ö	C2	┬	F0	
B	♂	39	9	67	g	95	ò	C3	├	F1	±
C	♀	3A	:	68	h	96	û	C4	─	F2	‗
D	♪	3B	;	69	i	97	ù	C5	┼	F3	¾
E	♫	3C	<	6A	j	98	ÿ	C6	ã	F4	¶
F	☼	3D	=	6B	k	99	Ö	C7	Ã	F5	§
10	►	3E	>	6C	l	9A	Ü	C8	╚	F6	÷
11	◄	3F		6D	m	9B	ø	C9	╔	F7	¸
12	↕	40	@	6E	n	9C	£	CA	╩	F8	°
13	‼	41	A	6F	o	9D	Ø	CB	╦	F9	¨
14	¶	42	B	70	p	9E	×	CC	╠	FA	·
15	§	43	C	71	q	9F	ƒ	CD	═	FB	¹
16	▬	44	D	72	r	A0	á	CE	╬	FC	³
17	↨	45	E	73	s	A1	í	CF	¤	FD	²
18	↑	46	F	74	t	A2	ó	D0	ð	FE	■
19	↓	47	G	75	u	A3	ú	D1	Ð	FF	(empty)
1A	→	48	H	76	v	A4	ñ	D2	Ê		
1B	←	49	I	77	w	A5	Ñ	D3	Ë		
1C	∟	4A	J	78	x	A6	ª	D4	È		
1D	↔	4B	K	79	y	A7	º	D5	ı		
1E	▲	4C	L	7A	z	A8	¿	D6	Í		
1F	▼	4D	M	7B	{	A9	®	D7	Î		
20	(blank)	4E	N	7C	|	AA	¬	D8	Ï		
21	!	4F	O	7D	}	AB	½	D9	┘		
22	"	50	P	7E	~	AC	¼	DA	┌		
23	#	51	Q	7F	⌂	AD	¡	DB	▉		
24	$	52	R	80	Ç	AE	«	DC	▄		
25	%	53	S	81	ü	AF	»	DD	¦		
26	&	54	T	82	é	B0	▒	DE	Ì		
27		55	U	83	â	B1	▒	DF	▀		
28	(	56	V	84	ä	B2	▓	E0	Ó		
29	)	57	W	85	à	B3	|	E1	ß		
2A	*	58	X	86	å	B4	┤	E2	Ô		
2B	+	59	Y	87	ç	B5	Á	E3	Ò		
2C	,	5A	Z	88	ê	B6	Â	E4	õ		
2D	"-"	5B	[	89	ë	B7	À	E5	Õ		

5 Appendix

5.1 Beckhoff Support and Service

Beckhoff and their partners around the world offer comprehensive support and service, making available fast and competent assistance with all questions related to Beckhoff products and system solutions.

5.1.1 Beckhoff branches and partner companies Beckhoff Support

Please contact your Beckhoff branch office or partner company for local support and service on Beckhoff products!
The contact addresses for your country can be found in the list of Beckhoff branches and partner companies: www.beckhoff.com. You will also find further documentation for Beckhoff components there.

5.1.2 Beckhoff company headquarters

Beckhoff Automation GmbH & Co.KG
Huelshorstweg 20
33415 Verl
Germany

Phone: + 49 (0) 5246/963-0
Fax: + 49 (0) 5246/963-198
E-mail: info@beckhoff.com
Web: www.beckhoff.com

Beckhoff Support
Support offers you comprehensive technical assistance, helping you not only with the application of individual Beckhoff products, but also with other, wide-ranging services:

- world-wide support
- design, programming and commissioning of complex automation systems
- and extensive training program for Beckhoff system components

Hotline: + 49 (0) 5246/963-157
Fax: + 49 (0) 5246/963-9157
E-mail: support@beckhoff.com

Beckhoff Service
The Beckhoff Service Center supports you in all matters of after-sales service:

- on-site service
- repair service
- spare parts service
- hotline service

Hotline: + 49 (0) 5246/963-460
Fax: + 49 (0) 5246/963-479
E-mail: service@beckhoff.com

5.2 Certificate

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z10 15 04 62386 024

Holder of Certificate: **Beckhoff Automation GmbH & Co. KG**
Hülshorstweg 20
33415 Verl
GERMANY

Factory(ies): 62386

Certification Mark:

Product: **Safety components**

Model(s): **AX5805/5806 for use in AX5000-0000-0200-Series**

Parameters:
Safety Functions:
STO, SS1, SS2, SOS,
SLS, SSM, SSR, SMS,
SLP, SCA, SLI, SAR,
SMA, SDI
PL e, CAT 4 (EN ISO 13849)
SIL 3 (EN 61508)
SILCL 3 (EN 62061)

Tested according to:
2006/42/EC
EN ISO 13849-1:2006/AC:2009 (Cat.4, PL e)
EN 61508-1:2010 (SIL 3)
EN 61508-2:2010 (SIL 3)
EN 61508-3:2010 (SIL 3)
EN 61508-4:2010 (SIL 3)
EN 62061:2005 (SILCL 3)
EN 61800-5-2:2007
EN 61326-3-1:2008
IEC 61784-3(ed.2)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: BV83877T

Valid until: 2020-04-28

Date, 2015-04-29 (Günter Greil)

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Page 1 of 1

A1 / 04.11

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany