

Application Note No. AP 2012/18-1

Date: 03.05.2012

Author: LeS

File name: AP_2012_18-1e

Translation of the "Original Dokumentation"

Rights reserved to make technical changes

03.05.2012

History:

Date	Change	Initials
03.05.2012	First Edition	LeS

Publisher:

AMK Arnold Müller Antriebs- und Steuerungstechnik GmbH & Co. KG

Gaußstraße 37 – 39,

D-73230 Kirchheim/Teck

Germany

Phone: +0049/(0)7021/5005-0,

Fax: +0049/(0)7021/5005-176

E-Mail: info@amk-antriebe.de

Managing director: Dr.h.c. Arnold Müller, Eberhard A.Müller, Dr. Günther Vogt

Registration court Stuttgart HRB 231283; HRA 230681

Topic: Parameter ID34045 and ID34046

Starting situation

The parameter names of parameter ID34045 and ID34046 are exchanged with regards to the mode of action of the parameter in the device.

Necessary measures

The names of both parameters were corrected by exchange the names without change the mode of action in the AMK firmware.

	Firmware Version (part-no.)	
KW-R03	< AE-R03 V3.20 2011/26 (203044)	≥ AE-R03 V3.20 1126 (203044)
KW-R03P	< AE-R03 V5.20 2011/26 (203606)	≥ AE-R03 V5.20 1126 (203606)
KW-R06	< AE-R05/06 V1.05 2010/32 (203194)	≥ AE-R05/06 V1.05 2010/32 (203194)
ID34045	Inductance Lq	Inductance Ld
ID34046	Inductance Ld	Inductance Lq

Effect to applications

For motors parameterised via the AIPEX PRO motor data base, the parameter name exchange has no effect, because in the parameters of the motor data base always the correct values were in. For motors parameterised manually the entered values are correct only if the ID number was considered to find the correct value to enter into the parameter. Only the parameter texts were wrong not the values.

Example: Extract from motor data sheet with exchanged parameter names.

Specification in the motor data sheet		Correct parameterisation	Mode of action and correct parameter names after exchange the names to correct parameter names
<i>Querachseninduktivität/quadrature axis inductance "Lq" (ID34045)</i>	3,8 mH	ID34045 = 3,8 mH	Hauptachseninduktivität/direct axis inductance "Ld" (ID34045)
<i>Hauptachseninduktivität/direct axis inductance "Ld" (ID34046)</i>	2,8 mH	ID34046 = 2,8 mH	Querachseninduktivität/quadrature axis inductance "Lq" (ID34046)