



Overview software releases AMK_ECsoe_vvv_xxxxxx.xml

Version: 2019/27

Part no.:

Translation of the "Original Dokumentation"

AMK

Impressum

Name: PDK_Freigaben_AMK_ECsoe

Version:

Version	Change	Initials
2019/27	Release added: AMK_ECsoe_113_205777.xml (205777) AMK_ECsoe_114_206633.xml (206633)	KoJ

Previous version: 2015/40

Product version:

Product	Firmware version (AMK part no.)	Hardware version (AMK part no.)
*.xml-Datei AMK_ECsoe	-	-

Purpose: Overview of released software versions of the entered products

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For fast and reliable troubleshooting, you can help us by informing our Customer Service about the following:

- Type plate data for each unit
- Software version
- Device configuration and application
- Type of fault/problem and suspected cause
- Diagnostic messages (error messages)

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Display conventions

Display	Meaning
0x	0x followed by a hexadecimal number, e.g. 0x500A
'Name' 'Parameter' 'Diagnostic messages'	e.g.: Calling up the 'Delete PLC programme' function. ID1234 'Parameter text' 1234 'Diagnostic message'
→	Task procedure / operating sequence, e.g. 'Start' → 'All programs' → 'Accessories' → 'Editor'

Content

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Software release: AMK_ECsoe_vvv_xxxxxxx.xml (description file)

Release version	Note	Release date	Part number	Overview of changes
V1.14	1)	08.06.2018	206633	Based on file V1.13 (205777) New: <ul style="list-style-type: none"> • ihDrive renamed in ihServo • iDrive+ renamed in iXServo+ • New device revisions extended with Tag Mailbox <Mailbox DataLinkLayer="true"> :KW/KWD R2x, ihServo, iXServo+ • Device KE, R2x, ihServo and iXServo support in addition to 'DC-Synchron Mode' also 'FreeRun Mode'
V1.13	1)	08.07.2016	205777	Based on file V1.12 (205515) New: <ul style="list-style-type: none"> • New supported products: KW/KWD R24-R ihDrive, ihX, ihC and ihCDrive with FSoE variants iDrive+, iX+, iC+ and iCDrive+ with FSoE variants (replacement for iDT5) • New device revisions with EoE Mailbox: KW/KWD R2x / FSoE
V1.12	1)	12.03.2015	205515	Based on file V1.11 (204834) New: <ul style="list-style-type: none"> • New supported products: iSA-MC0-4EA, iSA-MC0-4EA, ihXT, ihXP
V1.11	1)	12.12.2013	204834	Based on file V1.10 (204660) New: <ul style="list-style-type: none"> • New supported products: KW/KWD-R24, KW/KWD-R25, KW/KWD-R26, KW/KWD-R27 (FSoE) A6S-MC0, A6S-MCE, A6D-MC0, A6D-MCE

Release version	Note	Release date	Part number	Overview of changes
V1.10	1)	-	204660	Based on file V1.09 (204222) Corrections: <ul style="list-style-type: none"> At iC (FSoE) in the XML description file
Release version	Note	Release date	Part number	Overview of changes
V1.09	1)	06.11.2012	204222	Based on file V1.08 (204133) New: <ul style="list-style-type: none"> New supported products: <ul style="list-style-type: none"> KW-R07 (FSoE) KW-R17 (FSoE) iDT5 (FSoE) iX (FSoE) iC (FSoE) The following devices get a new revision number because of new device name <ul style="list-style-type: none"> iX servo inverter iC servo converter
Release version	Note	Release date	Part number	Overview of changes
V1.08	1)		204133	Based on file V1.07 (203997) New: <ul style="list-style-type: none"> New supported products: <ul style="list-style-type: none"> KW-R16 controller card iC converter The following devices get a new revision number because of new EtherCAT HAL V1.5.2.0 <ul style="list-style-type: none"> KW-R05 KW-R06 iDT5 iX KE

Release version	Note	Release date	Part number	Overview of changes
V1.07	1)		203997	New: <ul style="list-style-type: none"> • The following A4 controllers will be supported: <ul style="list-style-type: none"> A4S-MC0 A4S-MCE A4D-MC0 A4D-MCE • MCE (-R05) controller automotiv • MCE (-R06) controller automotiv

1) Notes on using the file Notes:

- EtherCAT configurators use the contents of the description file to configure the data exchange on the bus.
- The EtherCAT slave EEPROM (in the devices KWZ-EC, KW-EC1) is written with information from the description file. For the assemblies KWZ-EC and KW-EC1 the description file AMK_ECsoe_101_201992.xml is still valid because the functionality of these components has not changed.
- For the devices KW / KWD-R05 / -R06 / -R07 / -R16 / -R24 / -R25 / -R26 / -R27, MCE-R05 / -R06, A4, A5, A6, iDT5, iX, iC, ihXT, ihXP, ISA MC0 and KE the EEPROM must not be described, since the contents of this file is part of the respective firmware for netX processors.
- For A4, A5, A6 devices always the latest description file must be used.

Device-specific information about EtherCAT revision level

- KW-EC1 option
For the interaction with the AMK EtherCAT master (AS-PL15, AS-Cxx, ...), the EEPROM must have the revision level 16843538 (0x1010312). Otherwise, the master is missing information (e.g. Fieldbus Memory Management Unit (FMMU), Sync Manager (SM) and Process Data Object (PDO)), which are read by the master from the EEPROM.
- AS-PL15, AS-Cxx controllers
The examination of the EtherCAT revision levels is turned on at the factory. If an incorrect revision level found in the EtherCAT startup, the error number 2727, Info 2 = 3 is generated. The revision status check can be turned off in ID34026 bit 2 = 1. The shutdown of the audit level check may be required when using third-party devices if the external devices have a newer revision level, as it is registered in the existing configuration.
- Ax controllers
In Ax controllers the revision level test is set active ex works. It is checked whether the revision level of a participant is \geq the revision level, which is registered in the current configuration. Devices with newer revision level can be used, but without possibly newly added functionality. The revision status check can be turned off in ID34026 bit 2 = 1.