

Parameter set switching

Translation of the "Original Dokumentation"

Rights reserved to make technical changes

Name: FKT_Parametersatzumschaltung_en

Version:

Version: 2018/44	
Change	Letter symbol
• New Document	STL

Previous version: -/-

Product version:

Product (AMK part no.)	Firmware Version (AMK part no.)
KW-R06 (O835) KW-R07 (O807) KW-R16 (O872) KW-R17 (O873)	AE-R05/R06 V1.10 2013/15 (204486)
KW-R24 (O901)	AE-R24 V2.03 2015/06 (205587)
KW-R24-R (O954)	AE-R24-R V2.11 2016/46 (206643)
KW-R25 (O902)	AE-R25 V2.03 2015/06 (205588)
KW-R26 (O903)	AE-R26 V2.03 2015/06 (205589)
iX / iC / iDT5 /	iX V1.03 2013/18 (204515)
iX(-R3) / iC(-R3) / iDT5(-R3) /	iX V2.08 2015/46 (206017)
ihXT /	ihX V1.00 2015/06 (205440)

Publisher:

AMK Arnold Müller GmbH & Co. KG

Gaußstraße 37 – 39,
D-73230 Kirchheim/Teck
Germany

Phone: +49 7021/50 05-0,
Fax: +49 7021/50 05-176

E-Mail: info@amk-group.com

Homepage: www.amk-group.com

Personally liable shareholder: AMK Verwaltungsgesellschaft mbH, Kirchheim/Teck

Registration court: Stuttgart HRB 231283; HRA 230681

1 Parameter set switching

Supported hardware: KW-R06 / KW-R16 / KW-R07 / KW-R17 / KW-R24 / KW-R24-R / KW-R25 / KW-R26 / iX / iC / iDT5 / iX(-R3) / iC(-R3) / iDT5(-R3) / ihXT /

In the controller, four parameter sets are available. You can switch between them.

GLOBAL parameters (i.e. ID2 'SERCOS cycle time' or ID32795 'Source UE') are valid in all parameter sets. DRIVE specific parameters (i.e. ID32800 'AMK main operating mode' or ID100 'Speed control proportional gain KP') can differ in the parameter sets.

P-Set 0	P-Set 1	P-Set 2	P-Set 3
GLOBAL			
DRIVE	DRIVE	DRIVE	DRIVE

2 Parametrization

Relevant parameters

Parameter	Name	Meaning
		See document 'Parameter description' (AMK part no. 203704)
ID216 ¹⁾	'Switch parameter set command'	Command to switch to the selected parameter set
ID217 ¹⁾	'Preselect parameter set command'	Number of parameter set which will be switched to.
ID219 ¹⁾	'ID-no. list for parameter sets'	List of parameters affected by the switching
ID254 ³⁾	'Actual parameter set'	Number of the actual parameter set
ID32813 ¹⁾	'Parameter set assignment 1'	Definition of the main and alternative parameter sets

1) The parameter value must be set specific to the application

3) Parameter value is automatically generated by the controller card