



AMKASYN
Adapter AP-CI2 (Part-No. 0776)
ACC – Phoenix COMBICON
Connector 5 pin

Version: 2007/04
Part-No.: 201548

AMK

About this documentation

Name: PDK_201548_Adapter_AP-CI2_en

Use: Application examples and Pin Assignment of the AP-CI2 Adapter (ACC – CANopen)

What has changed:

Version	Change	Subject	Letter symbol
2007/04			
2008/35		first Flare version	BIs

Further Documentation:

Target group:

Representation agreement:

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1 Intended Use



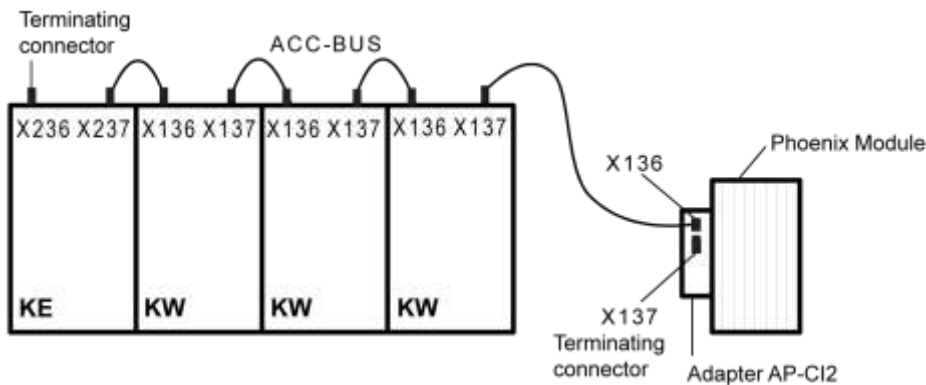
picture name: ZCH_Adapter_AP-CI2

The adapter AP-CI2 interlinks the ACC bus interface (AMK CAN Communication) of the AMK devices with the CANopen interface of a Phoenix module (e.g. for Phoenix-CAN-IO-Clamp with IC2,5/5-G-5.08).

The ACC bus interface is located on the top of the AMK controller card of the drive systems KU or KE/KW or on the option card PLC or rather on the option card AS-FCT1/FCT2 on the AMKASYN controller.

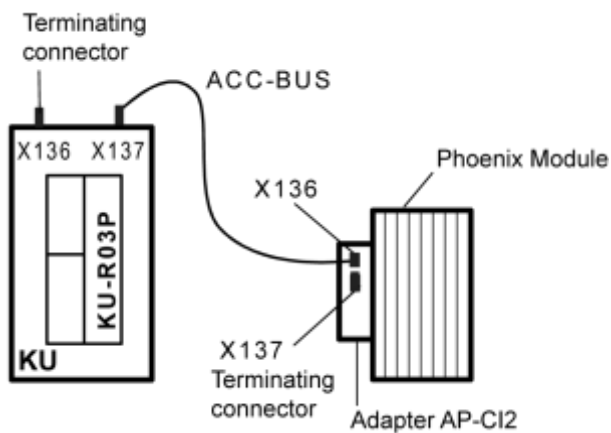
2 Application examples

2.1 Application example KE/KW with Phoenix module



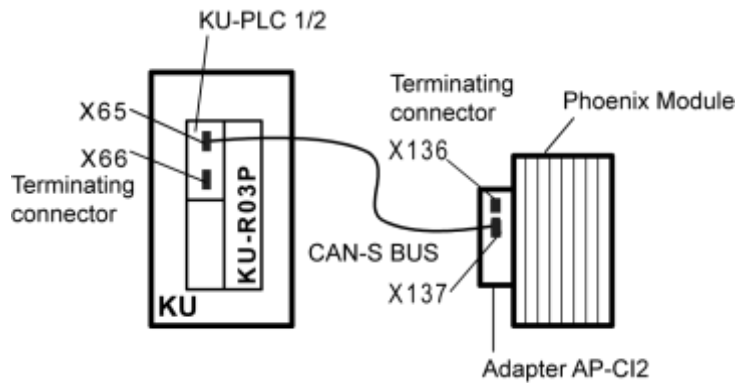
picture name: ZCH_AP-CI2_KEKW_phoenix

2.2 Application example KU with Phoenix module



picture name: ZCH_AP-CI2_KU_phoenix

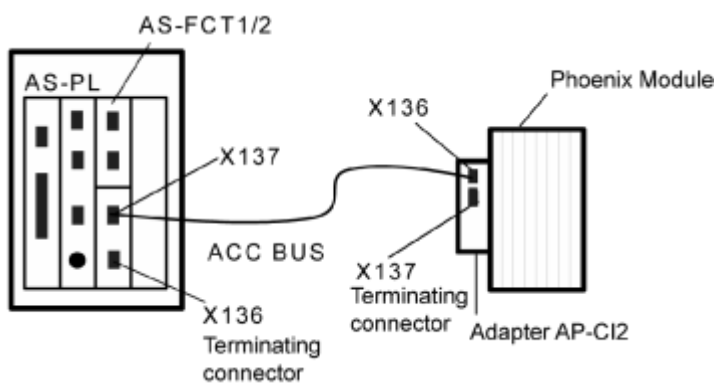
2.3 Application example KU with PLC option card (KU-PLC1 or PLC2) and Phoenix module



picture name: ZCH_AP-CI2_KUmitSPS_phoenix

Identical connection on KE/KW

2.4 Application example AMKASYN controller with option card AS- FCT1/2 and Phoenix module



picture name: ZCH_AP-CI2_AS-FCT_phoenix



The interlink from adapter AP-CI2 to the ACC bus can be done at any spot in the ACC bus. The ACC connection must be crossed over. If the adapter AP-CI2 will be connected at first or last ACC node, a bus terminator must be plugged in. The adapter AP-CI2 is only allowed to connect to a ACC bus at zero current.

3 Pin Assignment

3.1 Pin Assignment Phoenix- plug

Pin Phoenix	Mark
1	GND
2	CAN_L
3	NC
4	CAN_H
5	NC

3.2 Pin Assignment ACC

ACC assignment X137 / X237				ACC assignment X136/X236		
Pin	X137	Remarks		Pin	X136	Remarks
1	N.C.	AMK internal		1	N.C.	AMK internal
2	GND	Ground		2	GND	Ground
3	CAN_H	CAN High		3	SYNC_H	SYNC High
4	CAN_L	CAN Low		4	SYNC_L	SYNC Low
5	SYNC_H	SYNC High		5	CAN_H	CAN High
6	SYNC_L	SYNC Low		6	CAN_L	CAN Low
Housing	PE	Shield		Housing	PE	Shield

4 EMC Notes

The ACC bus which is connected must have shielded cables. The shield must have a conducting connection to the connector housing.

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