AMK

AMKASYN
VARIABLE SPEED DRIVES

AMKASYN

Digital inverters in modular construction

Additional card for central module AZ
Input / output card AZ-EA8

Important advice:

Touching of the electrical connections on the plug-in card must be avoided, otherwise electronic components could be destroyed through static discharge.

Take plug-in card directly out of packing and insert into the option slot in the AZ module without using force. Then secure with screw below the card grip.

ACHTUNG
Nur geschultes Personal darf die Verpackung öffnen

Elektrostatisch gefährdete Bauelemente (EGB)

ATTENTION
Observe Precautions for Handling

Electrostatic Sensitive Devices

Rights reserved to make technical changes

Input / output card AZ-EA8

The option card AZ-EA8 is plugged into one of the free slots of the AZ module (slot 1...4). It is secured in the front panel by the captive screw below the card grip.

The AZ-EA8 card code is „02". This code must be entered into ID 32882 „Slot assignment" assigned to the selected slot.

The card has 8 binary inputs (nominal voltage +24V) and 8 binary outputs (+24V, 100 mA) which are optically isolated. The signal levels correspond to VDI 2880.

The I/O sampling time in the basic system is 10 ms. In a drive system with option „Programmable controller PS" (PLC) the I/Os are scanned each ms. The PS is evaluating the process image INPUTS/OUTPUTS. By that the process I/O sampling time is determined by the determined by the PS cycle time (exception: „Fast Functions SF").

The I/O voltage +24V must be supplied by the customer. The outputs are short-circuit-proof. The switching capacity of the open emitter outputs is 100 mA each with a simultaneity factor of 1.
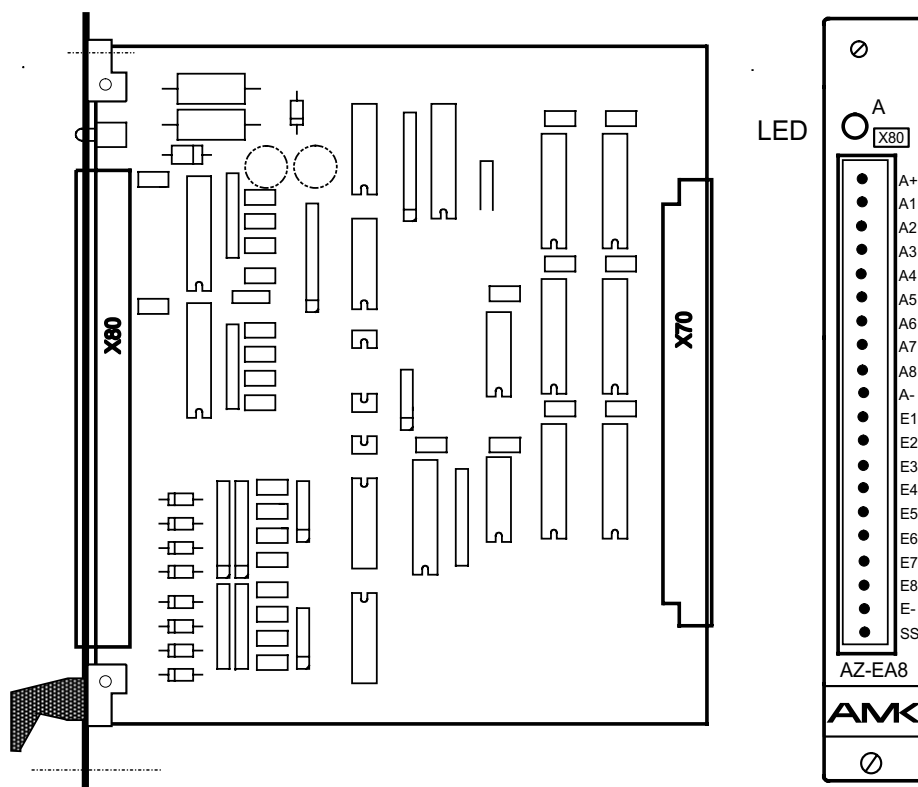
Through LED A a short-circuit is displayed, an error message is generated. After eliminating of the short-circuit the error message must be cancelled through „Error Reset".

By setting of parameters drive functions can be assigned to binary inputs and bit information from the drives can be assigned to binary outputs in the basic drive system. The signal evaluation is carried out in the higher ranking controller.

Associated with the „Programmable Controller PS" the I/O can be used freely.

The inputs and outputs are connected via plug-in terminal block X80 through a shielded cable. The cable shield has to be grounded one-sided at the AZ housing. Without shielded cable the keeping of severity 3 according to EMC directive is not guaranteed.

Component mounting drawing and front panel AZ-EA8

I/O addresses for „Programmable Controller PS"

I/O	AZ slot			
	1	2	3	4
A1	A0.0	A8.0	A16.0	A24.0
A2	A0.1	A8.1	A16.1	A24.1
A3	A0.2	A8.2	A16.2	A24.2
A4	A0.3	A8.3	A16.3	A24.3
A5	A0.4	A8.4	A16.4	A24.4
A6	A0.5	A8.5	A16.5	A24.5
A7	A0.6	A8.6	A16.6	A24.6
A8	A0.7	A8.7	A16.7	A24.7
E1	E0.0	E8.0	E16.0	E24.0
E2	E0.1	E8.1	E16.1	E24.1
E3	E0.2	E8.2	E16.2	E24.2
E4	E0.3	E8.3	E16.3	E24.3
E5	E0.4	E8.4	E16.4	E24.4
E6	E0.5	E8.5	E16.5	E24.5
E7	E0.6	E8.6	E16.6	E24.6
E8	E0.7	E8.7	E16.7	E24.7