



AMKASYN

VARIABLE SPEED DRIVES

AMKASYN

Digital inverters in modular construction

AW Option card AW-AG1 „A Type encoder adaption“

Important advice:

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

Take card directly out of packing and install it in the assigned AW module.



Rights reserved to make technical changes

**AW Option card AW-AG1 „A-type encoder adaption“
(only for AW modules AW 1,3/2,6, AW 2,5/5, AW 4,5/9 and
redesigned AW modules AW xx/yy-2 with AW-R01 controller card.)**

The standard encoder feedback for above listed AW modules is for I type or T type encoder (optical) or resolver. For motors with A type encoder (magnetic hall effect) the AW-AG1 card must be used to adapt the signal level. The AW-IW2 card can also be used (with additional pulse transmission).

The AW-AG1 card must be inserted into the slot at the top right of the AW module:

1. Open the blanking plate by loosening the 2 captive screws.
2. Disconnect the ribbon cable from the socket on the back of the blanking plate, then remove the blanking plate.
3. Carefully connect the ribbon cable to the socket on AW-AG1 card. Ensure that it is firmly connected.
4. Carefully insert AW-AG1 card into the slot. Don't squeeze or buckle the ribbon cable! Tighten the captive screws on the AW-AG1 card.
5. Parametrization:
To select „A type encoder“ a „1“ must be entered in ID 32953. The number of periods per motor revolution must be entered in ID 32776 (50/100). The A type encoder compensation must be activated by setting bit 1 of ID 32773 to „1“.
6. On start-up the encoder adjustment procedure must be carried out. The automatic encoder compensation will then ensure a constant signal level.

Incorrect configuration or board fault will result in error code „2328“.

Connection and insertion of AW-AG1 card

