

3.7 SME external devices description

AC-L1 can be connected to SME external devices described below.

3.7.1 Encoder

A Hall-effect 64-pulse quadrature encoder manufactured by SME is coaxially enclosed in the AC motors in order to provide a closed-loop control of the torque and the speed.

AC-L1 control board provides both a 5V power supply (pin K2-1) and a 12V power supply (pin K1-21). Both these power supplies are referenced to a dedicated ground terminal (pin K2-9).

To increase immunity use shielded cables and keep them separated from power leads.

Channel A has to be connected to pin K2-5 and Channel B to pin K2-4.

The environmental protection rating is IP65.

If you need to make use of other types of encoder, please contact SME in order to verify the technical feasibility.



3.7.2 Displays

SME displays (Compact or Mini) are optional devices which show overall information about your system. They have to be connected to controller through LIN interface.



COMPACT



MINI



SME Compact Display User Manual

SME Mini Display User Manual