

INSTRUCTION MANUAL DAAB ENCODER DB405

Technical data

Temperature range	-40 to 50°C
Light indication	An LED that indicates control voltage
Degree of protection	The circuit board is intended for installation in a DAAB motor winder
Cable length	Maximum 50 metres with cable cross-sectional area 0.75 mm ² (∅ 1 mm) Note that separate conductors for connection of DB405 must be used

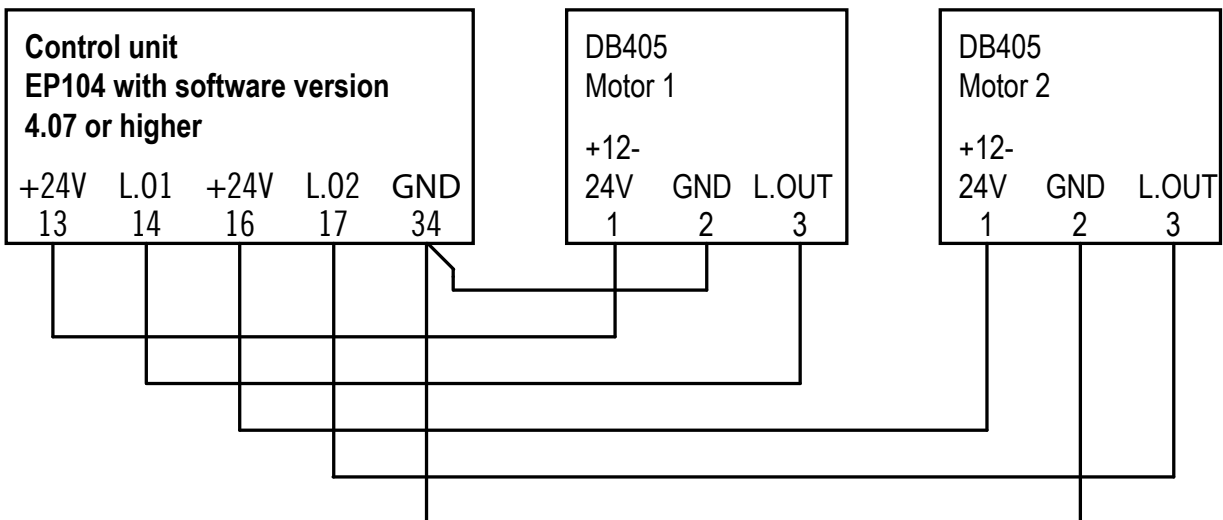
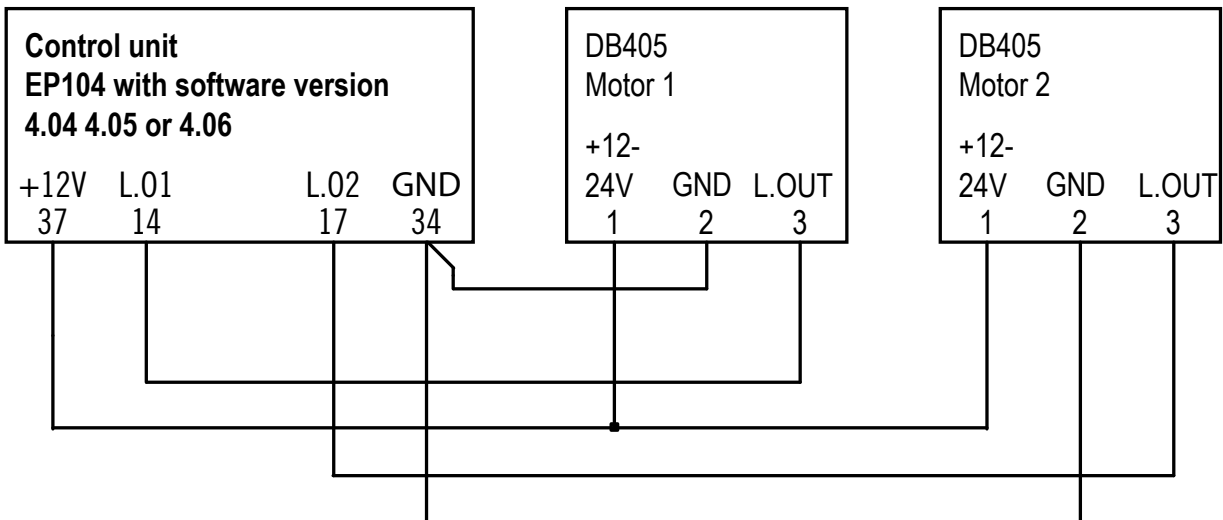
When ordering as a replacement part for a motor winder equipped with mechanical limit switches, contact FAAC Nordic AB.

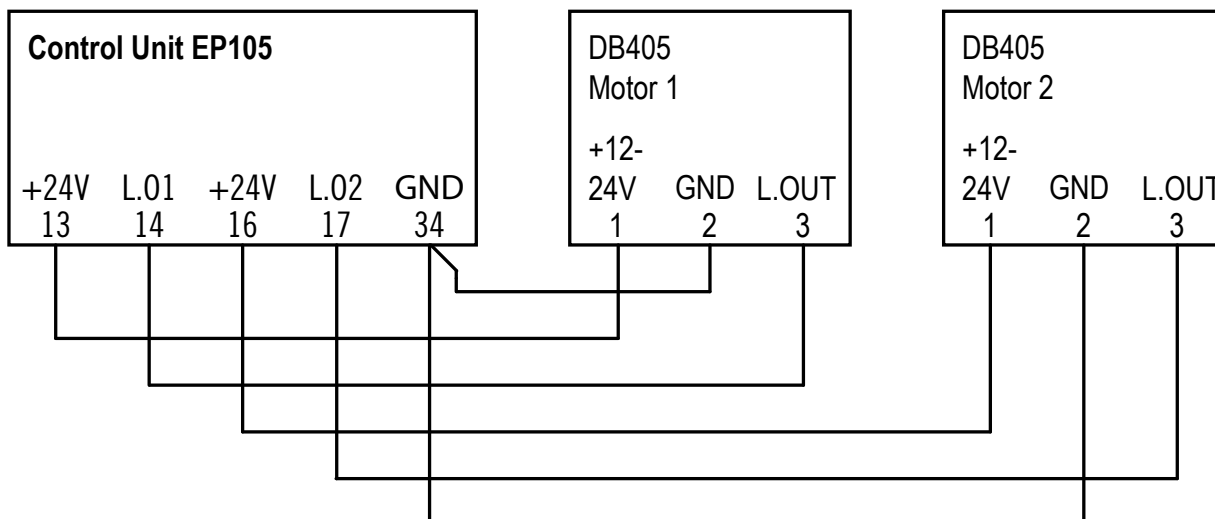
DB405 can be connected to automatic control units EP104 and EP105

Description of how to install the encoder

The encoder is a circuit board that, together with a magnet, replaces mechanical limit switches. The encoder converts the position of the magnet to a voltage that the automatic control unit then converts to a number of degrees. The limits for open and closed position in the L-channels are then set in the automatic control unit. The encoder works together with the MK, MA, MK2, MA2 and MT motor winders. For instructions beyond those given below, and for a more detailed explanation, see the instruction manual for the EP104 and EP105 automatic control units.

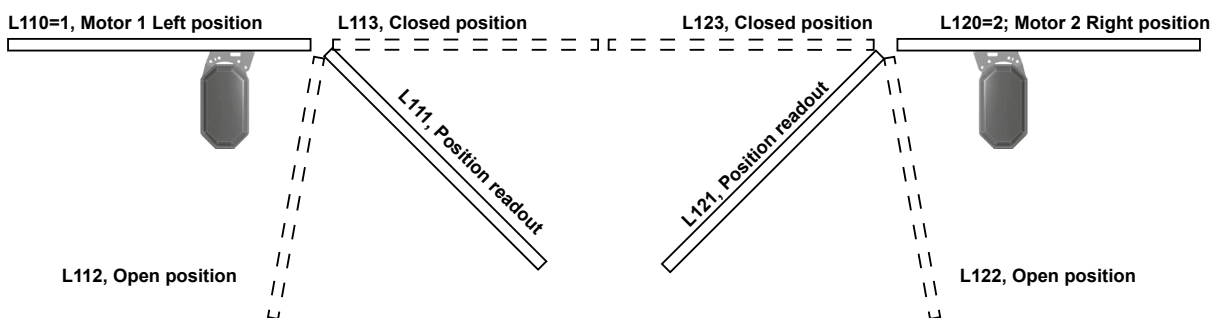
- Connecting the encoder





• Side mounting

In order for the automatic control unit to determine if the motor is running in the right direction, the automatic control unit must be correctly adjusted. To find out which motor winder is to be set as left-hand and which as right-hand, see the illustration below. For top mounting using one motor, set the motor as right-hand.



• Terminal description

The terminals on the Encoder function according to the table below.

No.	Function
1	12-24 VDC supply voltage.
2	GND
3	Analog signal to the automatic control unit
4-9	Connection points (max 24 VDC), the terminals do not have a function for the encoder.

• Light indication

To the left of terminal number 1 there is an LED indication that lights green when the card is supplied with 12-24 VDC.

Description of the magnet

The magnet mounted on the shaft has different positions for side mounting and top mounting. Turn the magnet by unscrewing the screw running through the black adapter.

For side mounting adjust the magnet so that the arrow points towards the drive arm, for top mounting turn the magnet 180 degrees so that it points away from the drive arm attachment.



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