

Simplified wiring

When using axis drives with integrated output stages, the wiring of the machine is significantly simplified. This applies to the following motors from SOROTEC:

- JMC closed loop stepper motors
- JMC servo motors
- Leadshine stepper motors

The otherwise necessary terminal boxes are then no longer required, the cables are instead connected directly to the motor.

Details on the electrical connection can be found in the instructions for the controller, the associated circuit diagrams and the data sheets for the motors.

No drilling

With the terminal boxes, of course, there is no need to prepare them either: the drilling templates from the instructions for conventional cabling are not required here.

Instead, we strongly recommend the use of the protective cap shown with cable glands to protect the connector panel from dust and chips. The mechanical design is shown in Figs. A and B as an example.

Covers

The covers, which are specially 3D-printed for this purpose, are available in two versions in the Sorotec shop:

- Leadshine and JMC
(except IHSS60-36-30 and iHSV60-30-40-48)
Order no. ESM.ZB.JMC.ABD.SET
- JMC IHSS60-36-30 and iHSV60-30-40-48
Order no. ESM.ZB.JMC.ABD3NM.SET

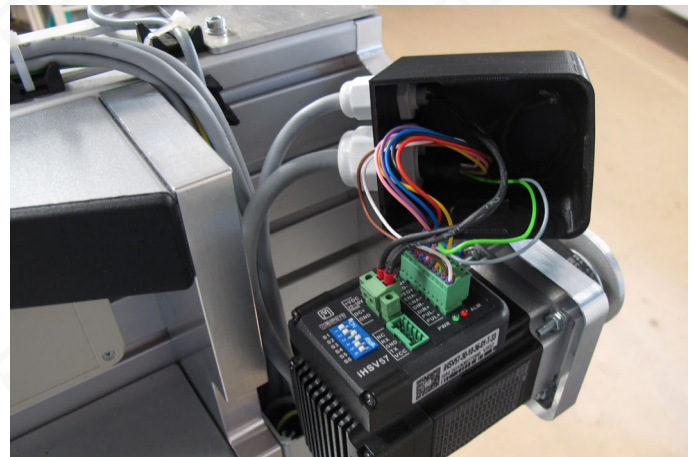


Fig. A: Connection panel of a JMC iHSV57 servo motor.

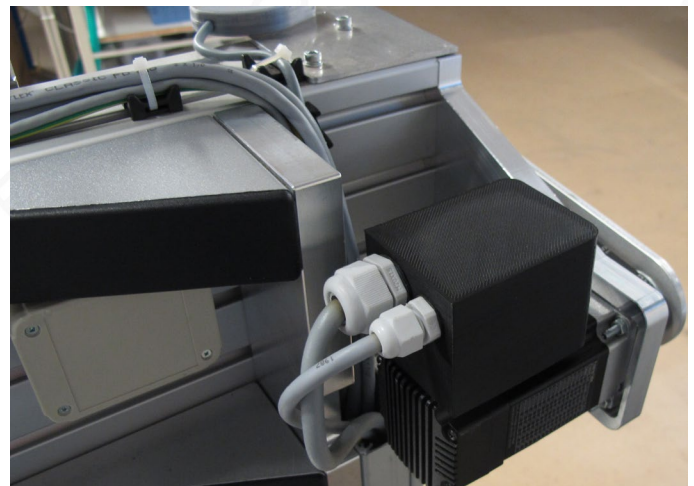


Fig. B: The cover protects against dust and chips.

Cable routing

The rest of the routing of the cables, their routing with drag chains and their attachment along the profile grooves using blocks and cable ties remains unaffected by the changes described here and should be carried out as described in the main instructions.