

## **MAE3-A interface box assembly instructions!**

### Parts list:

1x MAE3-A magnetic encoder  
1x CA-MIC3-SH-NC, Cable harness for MAE3-A encoder  
1x 3D printed interface box  
1x DC Power Connector plug 5.5x2.1  
1x RG178 Coaxial cable with BNC male plug  
2x 5x8x2 Rubber grommets  
2x 100x2.5 mm Cable straps  
1x Heat shrink tube

### Instructions:

- Drill the two holes in the 3D printed to 2.5 mm as indicated in the enclosure drawing, and cut the M3 threads
- Fit the rubber grommets to the two 8.2 mm holes in the 3D printed enclosure.
- Cut the cable harness and the coaxial cable to the proper length and pull them through the rubber grommets.
- Adapt appropriate heat shrink tube to the wires of the cable harness and the coaxial cable wires, and solder the wires to the DC power connector terminals and the cable wires as indicated in the schematic, shrink the heat shrink tube
- Click the DC power socket into the recess in the 3D enclosure
- Close the 3D enclosure using two 6-10 mm M3 countersunk screws