

Exchange instructions 1FY2 plug kit

A. Disassembly of the plug OCC (One Cable)

Note: Only the mechanical connector with insulation body can be replaced.
Replacement of cable / crimp contacts must be carried out by an **authorized workshop!**

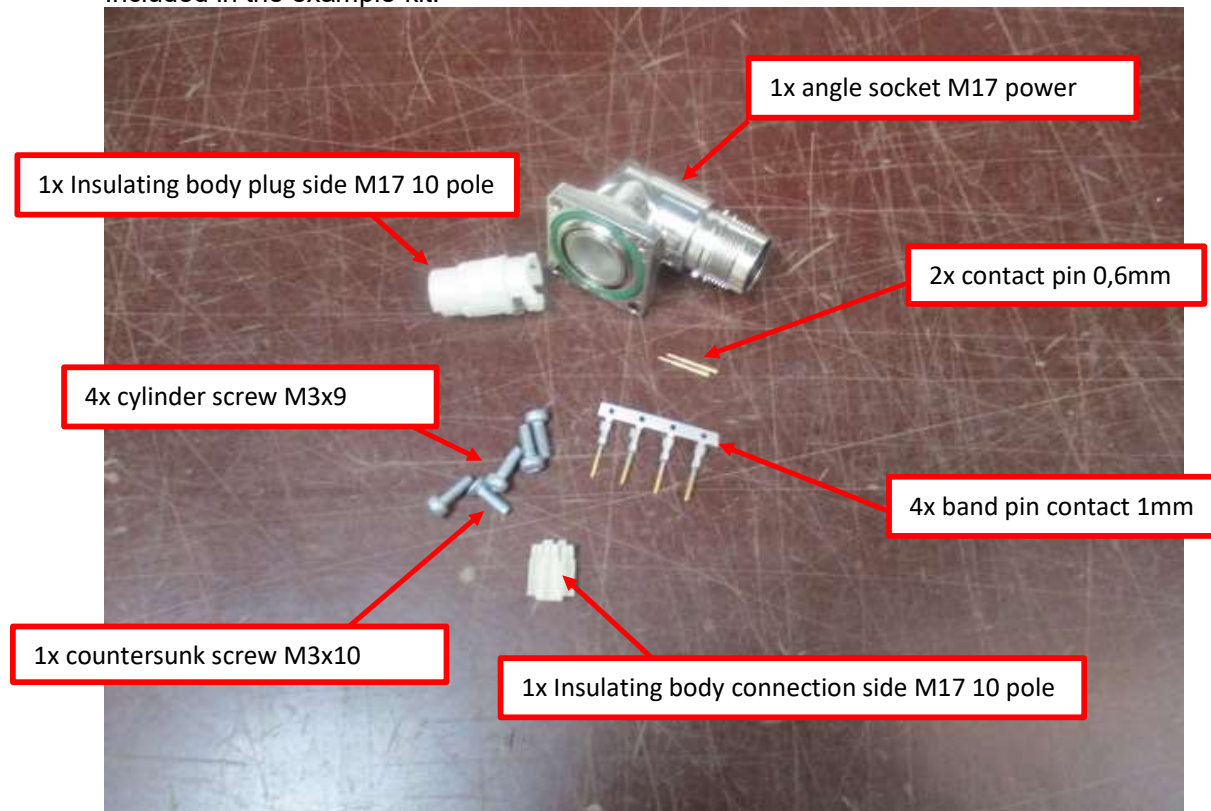
Important: NDE Cover must not be opened!

Warranty is not valid, since the encoder f.e. must be absolutely free of dirt (see manual 1FY2)

Order number / MLFB:

- AH20/30: 1FY2912-1PA00 (1FY2 OCC power connector kit AH20/30)
- AH40: 1FY2917-1PA00 (1FY2 OCC power connector kit AH40)
- AH48/52: 1FY2917-2PA00 (1FY2 OCC power connector kit AH48/52)
- AH63/100: 1FY2923-2PA00 (1FY2 OCC power connector kit AH63-100)

Included in the example-kit:

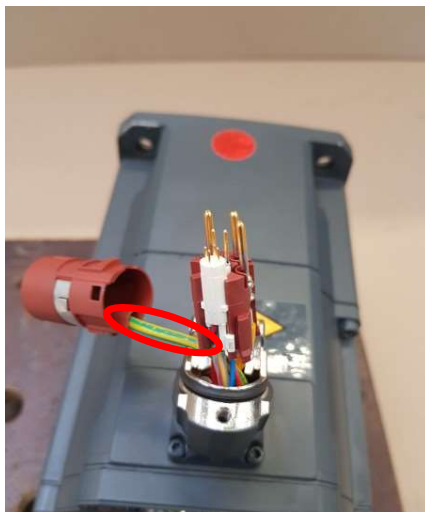




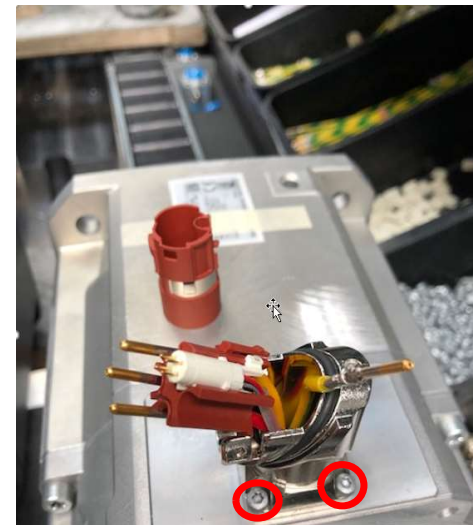
1. Loosen the fixing screw of the plug cover and remove the plug cover.



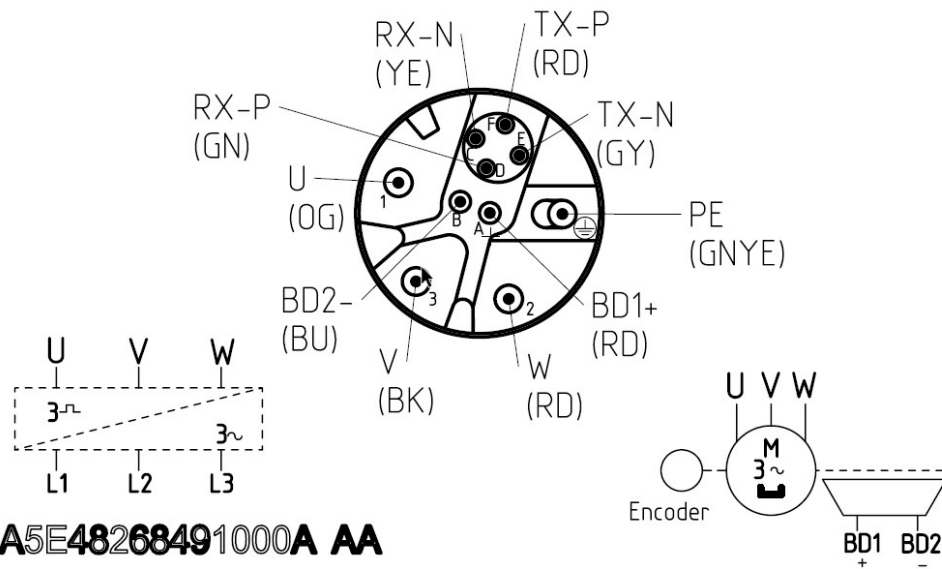
2. Lead the insulating body out of the plug with the cable upwards. Unlock the outer part of the insulating body and pull it forward.



3. Disconnect the earthing cable (green/yellow) from the outer cover of the insulating body.



4. If necessary (depending on connector size) carefully disconnect power and signal lines (white) from insulation body (brown). Remove 4 fixing screws and guide the mechanical connector base over the insulating body.



Example pin assignment M23 OCC connector

Note: If there is no labeling of the power lines (U,V,W), mark the cable position so that the original status can be restored. → **Depending on connector size or connector version!!**

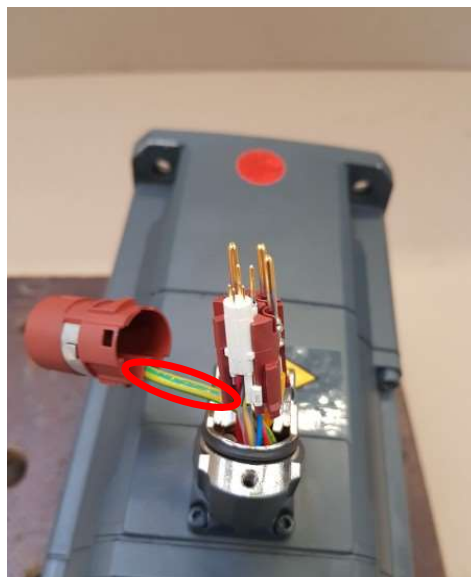
B. Assembly of the connector kit OCC (One Cable)



1. Please ensure the following pin assignment during installation!

→ **Depending on connector size or connector version**

2. After the mechanical connector base has been guided over the inner part of the insulating body, the connector base can be connected to the 4 fixing screws are mounted. If necessary (depending on connector size) carefully connect power and signal lines to the insulating body (brown).



3. Fix the earthing cable (green/yellow) to the outer cover of the insulating body.



4. Carefully insert inner part of the Insulating body into the outer part of the Insulating body until the nose engages.



5. Insert the snap-in insulating body into the groove of the mechanical lower part of the connector and slide on the connector cover and fix it with the cover screw.

Important: A high voltage test must be carried out before commissioning!

A. Disassembly of the power plug 2CC (Two Cable)

Note: Only the mechanical power connector with insulating body can be replaced.
Replacement of signal connector / cable / pins must be carried out by an **authorized workshop!**

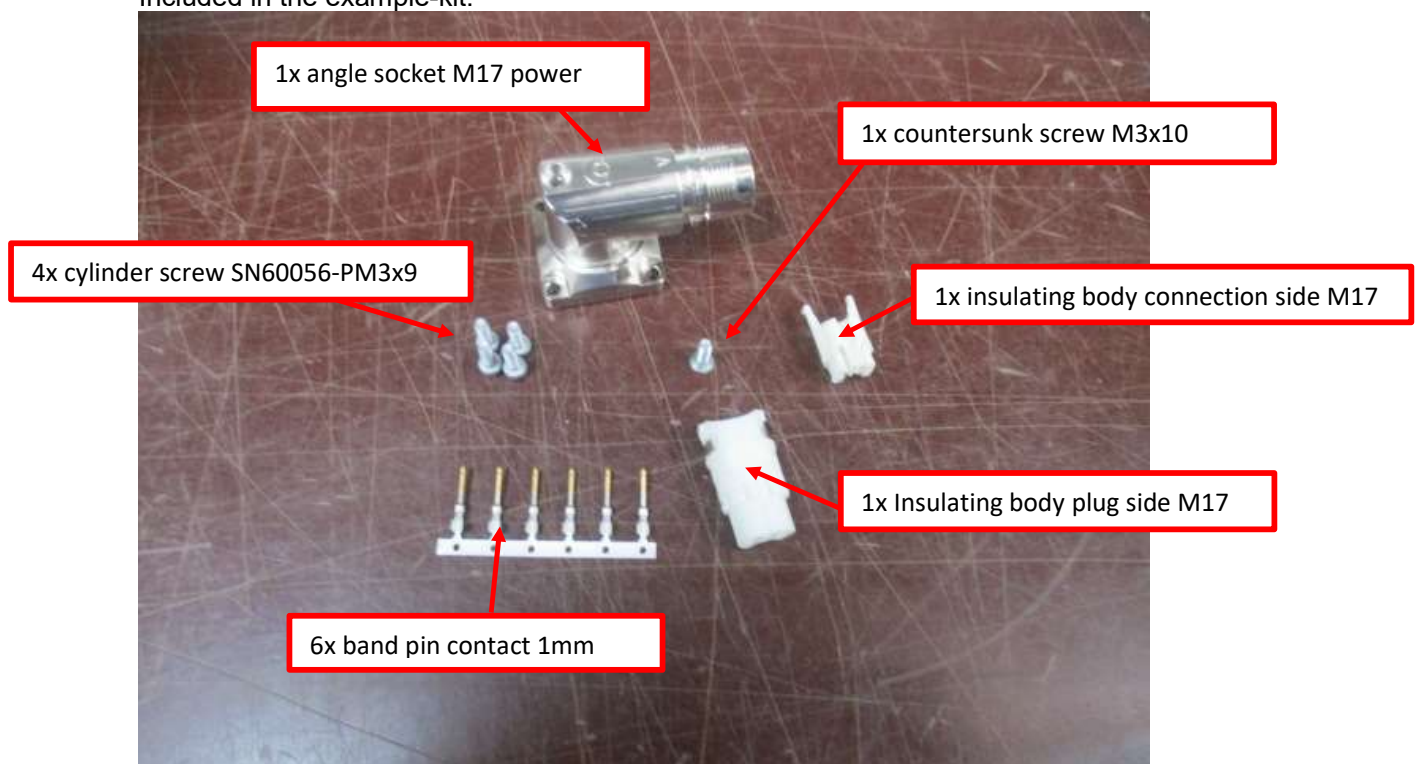
Important: NDE Cover must not be opened!

Warranty is not valid, since the encoder f.e. must be absolutely free of dirt (see manual 1FY2)

Order number / MLFB:

AH40: 1FY2917-1PB00 (1FY2 2CC power connector kit AH40)
AH48/52: 1FY2917-2PB00 (1FY2 2CC power connector kit AH48/52)
AH63/100: 1FY2923-2PB00 (1FY2 2CC power connector kit AH63-100)
AH100: 1FY2940-2PB00 (1FY2 2CC power connector kit AH100)

Included in the example-kit:





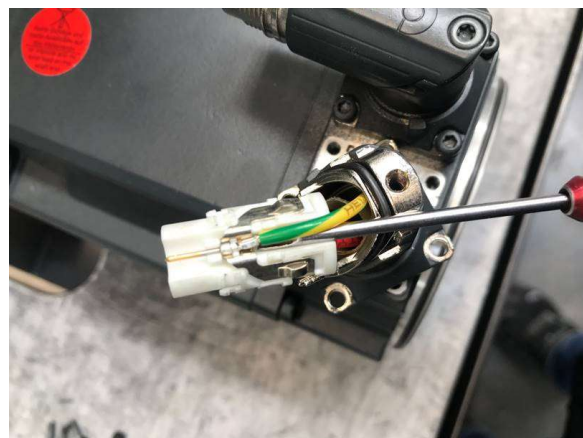
1. Loosen the fixing screw of the plug cover and remove the plug cover.



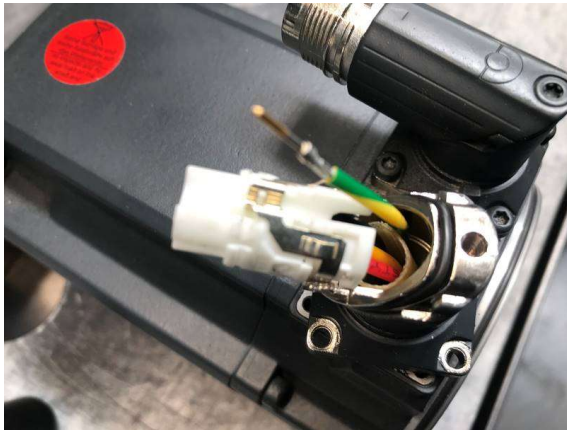
2. Lead the insulating body out of the plug with the cable upwards.



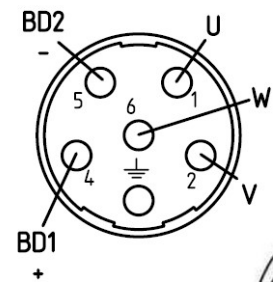
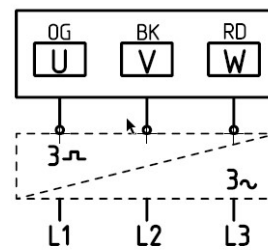
3. Remove 4 fixing screws.



4. Carefully disconnect the earthing cable (green/yellow) from the insulating body using a suitable tool.



5. If necessary (depending on connector size) disconnect power cables from the insulating body (white) and guide the mechanical connector lower part over the insulating body.



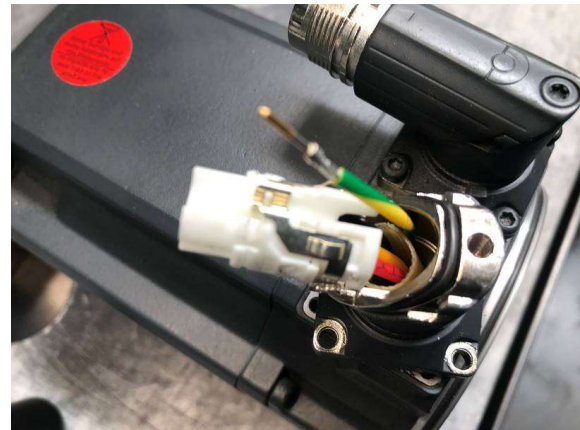
Example pin assignment M23 2CC power connector

Note: If there is no labeling of the power lines (U,V,W), mark the cable position so that the original status can be restored. → Depending on connector size or connector version!!

B. Assembly of the power connector kit 2CC (Two Cable)

1. Please ensure the following pin assignment during installation!

Example pin assignment M23 2CC power connector



2. Guide the lower mechanical connector part over the inner part of the insulating body. If necessary (depending on connector size) connect power cables to the insulating body (white).



3. Mount the lower part of the plug with 4 fixing screws.



4. Insert the insulating body into the groove of the lower part of the plug. Slide on the plug cover and fix it with cover screw.

Important: A high voltage test must be carried out before commissioning!