

dametric 

K-RZBT

SENSOR CABLE FOR TDC-RGP65 DD



MONTING INSTRUCTION

Valmet 

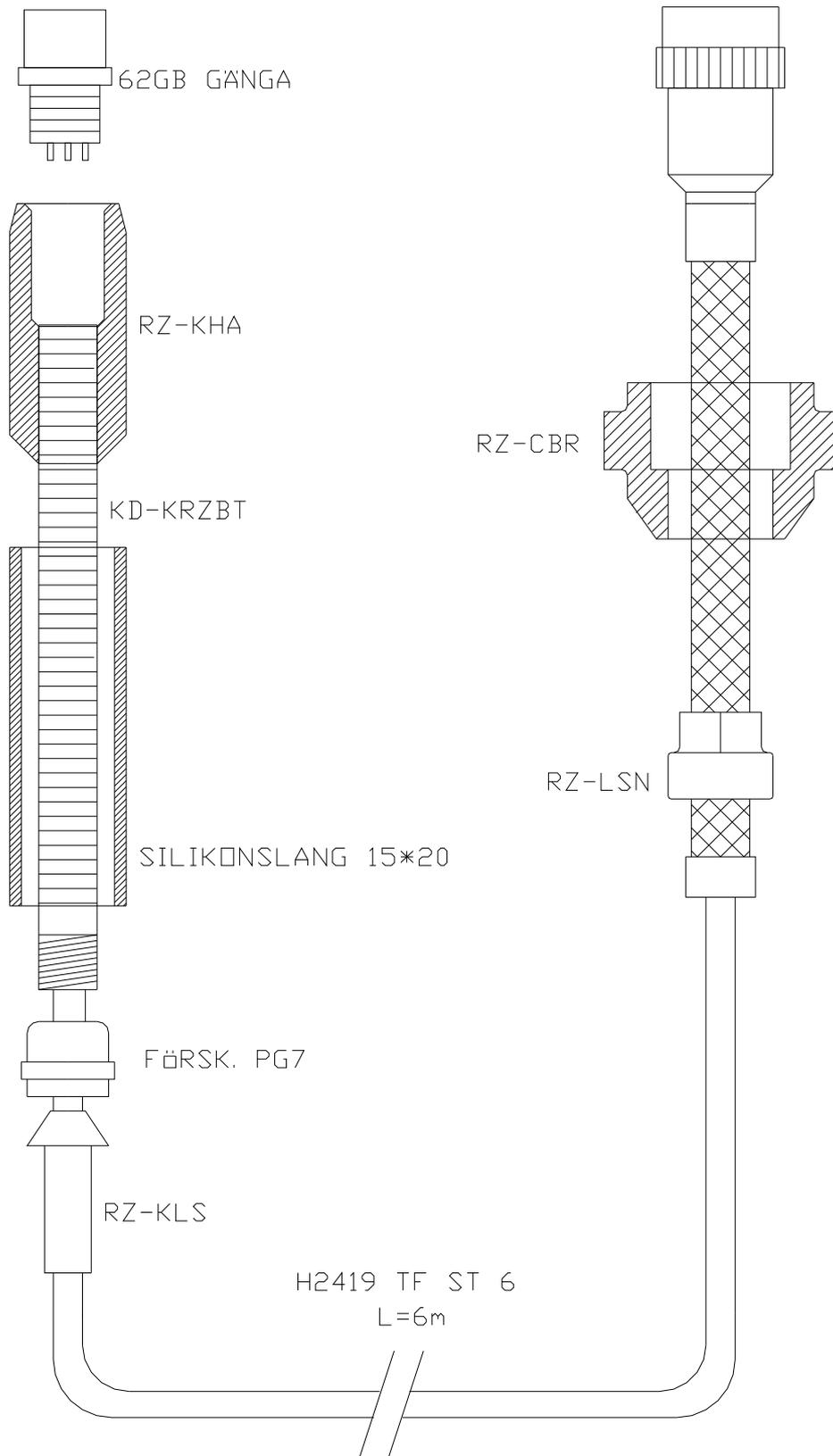
1. REVISION

From June 2015 s\n 311, has a new type of strain relief been introduced.

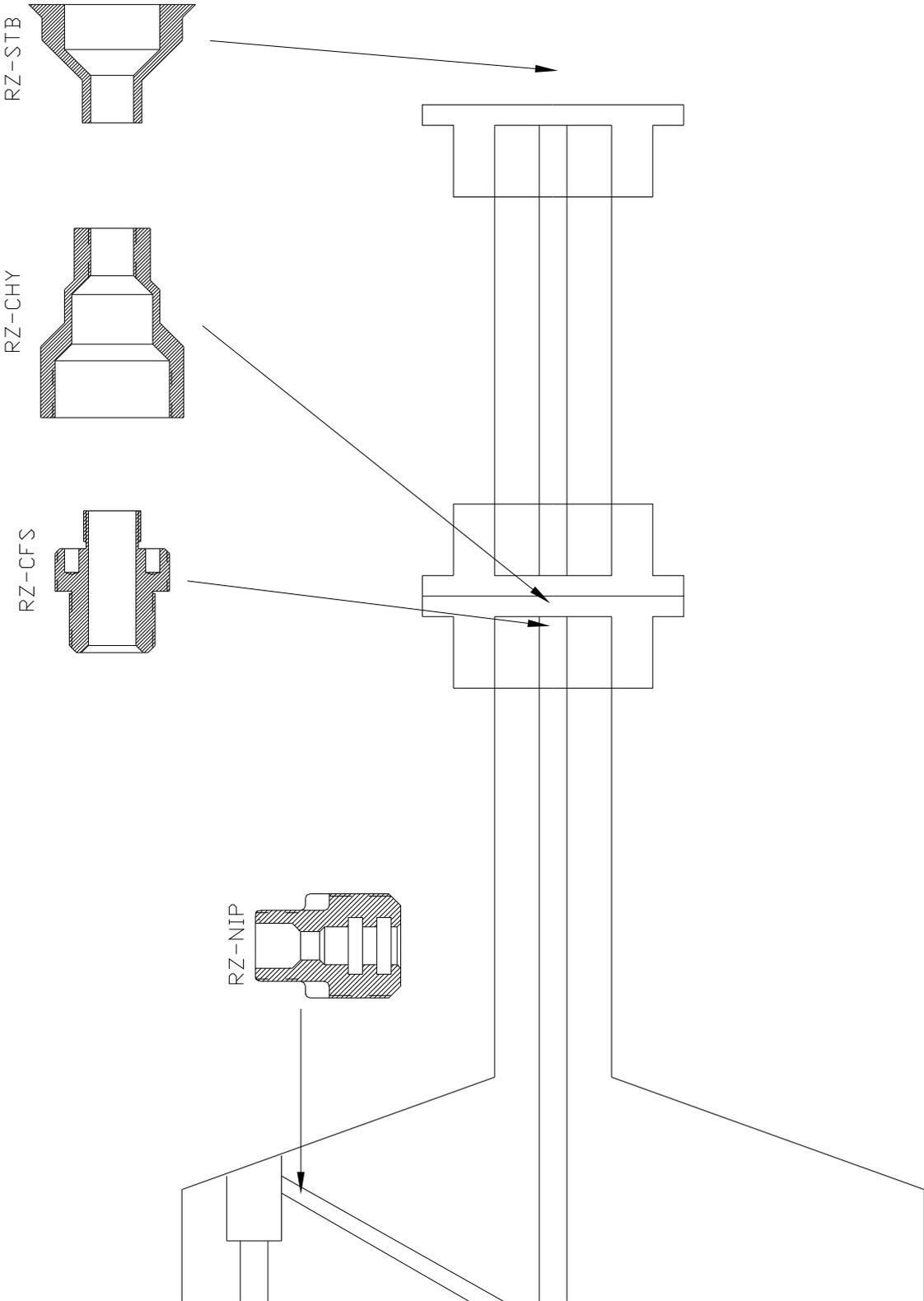
2. K-RZBT MOUNTING INSTRUCTION

1. It is not allowed to pull the cable from the sensor contact while holding the metal tube.
2. The cable is mounted from the grinding side towards the shaft.
3. If a previously mounted cable is to be replaced, cut the cable and the metal tube at the sensor and splice the cable with the mounting wire of the new cable according to the following instruction.
4. Push back the metal screen of the old cable, and cut approximately 50 mm of the wires.
5. Stretch the metal screen without destroying the braiding. Sew the mounting wire through the braiding approx. 35 mm with approx. 3 mm stitches.
6. Wrap the mounting wire around the braiding, cut the wire and fold it along the splice.
7. Grease the splice and the close part of the cable with silicon grease.
8. Pull the cable from the shaft side until the guide of metal tube hits the nipple in the rotating unit.
9. Thread the guide to the nipple.
10. Do following at the shaft end:
11. Mount the RZ-KLS on the cable.
12. Mount this into the CENTERING SCREW CAP, RZ-CFS.
13. Pull the cable tight (Pull with approx. 1kg) and tighten the nut so that the sleeve secures the cable.
14. Mount the CENTERING CAGE, (RZ-CHY) over the CENTERING SCREW CAP.
15. Mount the flexible metal tube, (METALLSLANG M), over the cable and thread it into the CENTERING CAGE.
16. Mount the silicon tube (SILIKONSLANG 15*20) over the metal tube.
17. Check that the length of the flexible metal tube is 680 mm.
18. Mount the contact holder, (RZ-KOH), on the flexible metal tube. Thread the contact holder until the edge of the metal tube is free.
19. Cut the cable 22 mm from the edge of the metal tube. Remove the plastic foil, move the wires apart and cut the core in the center.
20. Cut the braiding 17 mm from the edge of the cable.
21. Strip the wires 4 mm with the NO-NIK-CUTTER-0.25 or corresponding tool. Solder the wires to the contact:
22. D=BLACK C=RED E=GREY B=WHITE F=VIOLET A=GREEN/WHITE
23. Check the connection of the cable with the sensor attached:
24. $A-B = 2 \pm 1 \Omega$ $A-C > 100 \text{ k}\Omega$ $D-C = 3 \pm 1 \Omega$ $E-C = 105-125 \Omega$
 $F-C = 3 \pm 1 \Omega$ $C\text{-CHASSIS} > 100\text{k}\Omega$
25. Thread the contact holder so that a 5 mm slot is between the holder and the contact. Fill the holder with an appropriate cast compound.
26. Hold the metal tube and the contact while threading the holder to the contact.
27. Mount the cable through the middle shaft and mount the shaft.

3. K-RZBT ASSEMBLY DRAWING



4. M-RZBT ASSEMBLY DRAWING



5. CONTACT

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