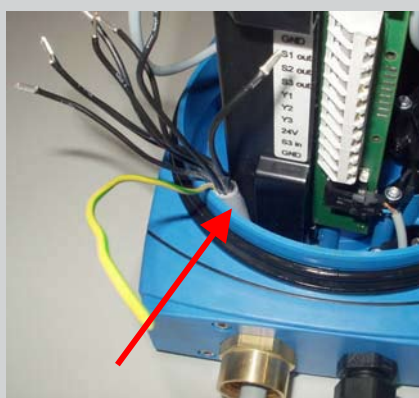




The information provided in this technical bulletin is for the electrical installation of the conduit-versions of the control head for process valves (Type 8680 / IntelliTop). It is not a “stand-alone document”. It should be used in combination with the Operations and Installation Manual.

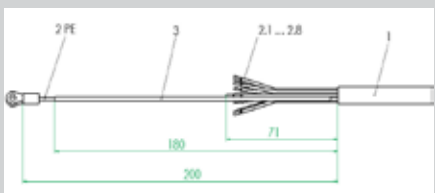
1. Open the central screw and remove the cover as described in the “Additional Operating and Installing Instructions” on page 11.

2. Install the conduit tube. When the conduit tube is being tightened into the conduit it is necessary to support the conduit-connector, for example, with an open-end wrench. Do not apply a torque greater than 8Nm (6 lb/sqft) to the housing!



3. The use of a PTFE-sealing-tape on the thread is recommended to achieve tightness on lower torques. Avoid also flexural moments caused from the final tube installation to the housing.

Put in the recommended cable for power supply and signals. The amount of pins depends on the installed options in the control head; use of a version with 3 solenoid valves needs 2 wires more than a version with 1 solenoid valve; a version with 2 internal and 1 external initiator needs 2 wires more than a version with only one internal initiator. The cable should be positioned between the potted electronic box and the housing to allow bending on the fixing point later on (see picture on the right).



4. Strip the wires with the recommended length in Figure 3:

- 1... cable with isolation (AWG20, 8 pin + PE)
- 2... wires with wire end ferrule and round cable shoe
- 3... transparent isolation tube



5. Use the parts of the “installation-set” for crimping, insulating and fixation of the wires and the cable.

Südmö North America, Inc. reserves the right to make changes in the technical specifications at any time.

Revision Date: April 2008

## Electrical Installation



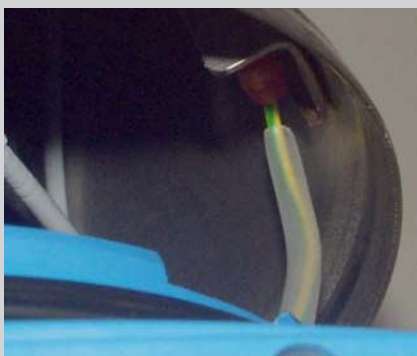
Note: crimp the round cable shoe after the silicone tube is mounted!!



6. Connect the wires to the terminals as described in document „8680 - Conduit“ (filename MA\_8680\_Conduit\_2006-08-25.doc or .pdf) Use the fixing strap at the potted electronic box to fix the cable with a cable binder in order to prevent movement of wires etc.



7. fasten the round cable shoe with the grounding wire in the VA-cover as shown in the picture (and described in the “Supplemental operating instructions”) to allow the closing of the VA-cover later on.



8. Pay attention to the position of the grounding sheet metal in the cover to the milling groove in the housing, when the VA-cover is being closed. Don't damage the PE-wire and pay attention to the sealing.



9. When the VA-cover is in the right position on the sealing (see picture) tighten the central screw finally.

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## Electrical Installation