Installation instructions for External CNP _ retrofit kit (part number 1022099)
Connection for external actuation (operating mode external)

Supplied with:
1 cable, 2 m
1 cable gland
1 nut
1 plug
1 Torx spanner, TX9

A contact or an electronic switch (contact actuation e.g. contact water meter) can be attached to the two-core cable for external actuation of the pump. The pump responds when the contacts close.

Installation:

**WARNING**
- Retrofit kits set must be installed by trained and authorised personnel!
- Disconnect the pump from the mains power supply and prevent from being switched on again!

**IMPORTANT**
- Keep this sheet with the operating instructions for the pump!
- It is now part of the operating instructions!

- Mark the breakout opening, bottom left of the cover, on the front of the pump.
- Unscrew the cover.
- Break open the marked opening using a punch.
- Push the nut into the recess in the cover and screw the lower section of the cable gland until watertight.
- Thread the suction lance cable through the cable gland.
- Connect the plug to the cable (the cable polarity is arbitrary).
- Push plug into the left-hand circuit board recess in the pump (see illustration).
- Screw the cover back onto the pump.
- Tighten the cable gland and pull out 1X cable.
- Screw the cable gland tight.

View of plug inserted in the opened pump

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage, contacts open:</td>
<td>5 V DC ± 0.5 V</td>
</tr>
<tr>
<td>Input resistance:</td>
<td>12 k ± 0.5 k</td>
</tr>
<tr>
<td>Short-circuit current:</td>
<td>0.5 mA ± 0.05 mA</td>
</tr>
<tr>
<td>Maximum level for &quot;0&quot; signal:</td>
<td>1.0 V</td>
</tr>
<tr>
<td>Minimum level for &quot;1&quot; signal:</td>
<td>3.5 V</td>
</tr>
<tr>
<td>Minimum closing time:</td>
<td>20 ms</td>
</tr>
</tbody>
</table>

The pump responds when the contacts close.

Subject to technical changes.