



## 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**

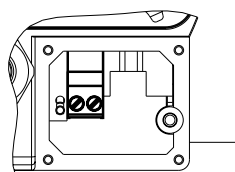
- Retrofit kits set must be installed by trained and authorised personnel!
- Disconnect the pump from the mains power supply and prevent from being switched on again!



### **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

Voltage, contacts open:	5 V DC $\pm$ 0.5 V
Input resistance:	12 k $\pm$ 0.5 k
Short-circuit current:	0.5 mA $\pm$ 0.05 mA
Maximum level for "0" signal:	1.0 V
Minimum level for "1" signal:	3.5 V
Minimum closing time:	20 ms

The pump responds when the contacts close.

Subject to technical changes.