

CRFlex electrical connections

Insert to installation and operating instructions

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The CRFlex pump requires no external motor protection. The motor incorporates thermal protection against slow overloading and blocking (IEC 34-11, TP 211).

The motor cable size is to be selected per the Grundfos CRFlex sizing software.

The supply voltage and frequency are marked on the motor nameplate. Make sure that the motor is suitable for the electrical supply at the installation site. The wires in the terminal box must be as short as possible. The exception is the ground wire which must be so long that it is the last wire to be disconnected in case the cable is inadvertently pulled out of the cable entry.

Upon connecting the power supply to terminals L, N and ground, remove the safety device shown in fig. 1.

The CRFlex pump ships with a jumper wire installed in terminals 1 and 9 (see fig. 1). Opening the contacts 1 and 9 will stop the CRFlex pump. A dry run sensor or a level switch may be connected to terminals 1 and 9. These switches are to be normally closed and open when the pump dry runs or the tank is full.

The wires to be connected to terminals 1 and 9 must be separated from each other by insulation in their entire length.

The signal relay terminals NC, C, NO are not active.

The terminals 2, 3, 4, 5 and 6 are not active.

The pressure sensor terminals 7 and 8 are active, but the pressure sensor range must be communicated to the motor by Grundfos PC Tools.



Fig. 1 CRFlex electrical connections

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Subject to alterations