

Installation and commissioning instructions of LCS connector

Hydarulic system. Pressure connectors LCS in the use for protection against pumps „dry-run” should be installed on discharge pipe of pump system. The order of each elements is shown in the figure 1. For other applications placement of LCS connector depends on system in which pressure supposed to be controlled, e.g. inflow side of pump, pressure signalling in the tank etc.

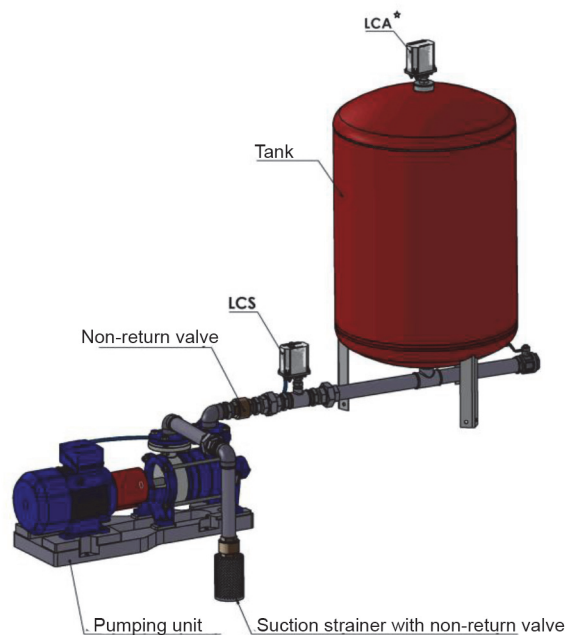


Fig. 1. Explanatory figure of installation

* In the case of LCA connector, if there is no possibility for mounting on the tank, it should be mounted on discharge pipeline, behind the tank (according to flow direction).

The electrical installation. The scheme for connecting LCS connector to electrical installation is included in Instruction Manual. Below, in figure 2. electrical connections scheme is shown corresponding to hydraulic installation from figure 1.

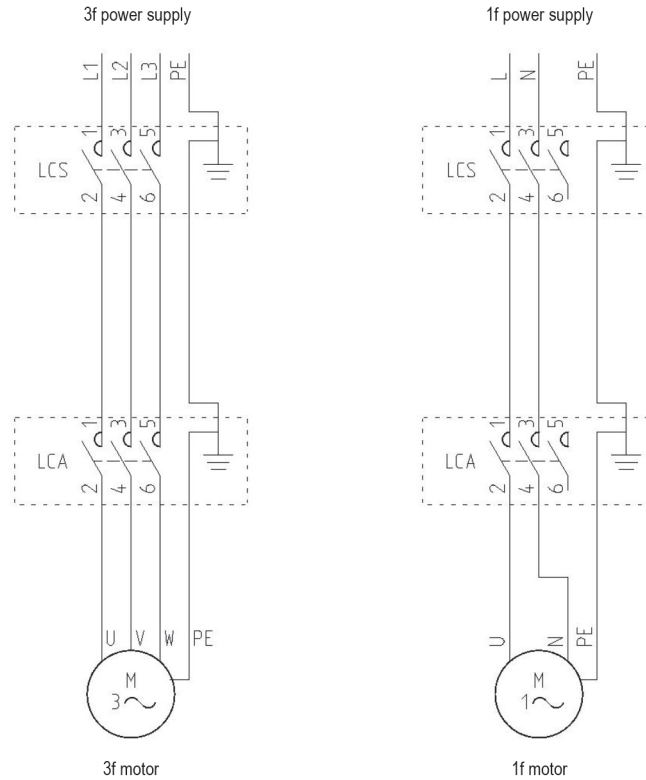


Fig. 2. Electrical scheme

Commissioning. After connecting and adjustment of system according to instructions, tightening covers and providing the water for pumping – start-up power supply. First start-up as well as any leakage and other circumstances causing pressure drop below LCS settings requires manual start-up of motor using „Reset“ button. Pushing and holding button should be fast and firm. Pushing it too softly as well as slow pressing and depressing may cause sparking of junctions and burnt them out, which can damage connector and motor. After pushing the button pump starts up, tank is filling and pressure increases in installation. Hold the button at least to the moment of switching LCS connectors mechanism, which should be completed after reaching start-up pressure. Further work of system will be regulate automatically by LCA connector (maintaining pressure within LCA settings limits) and automatically controlled by LCS connector (emergency shutdown after pressure drop below LCS deactivation setting).