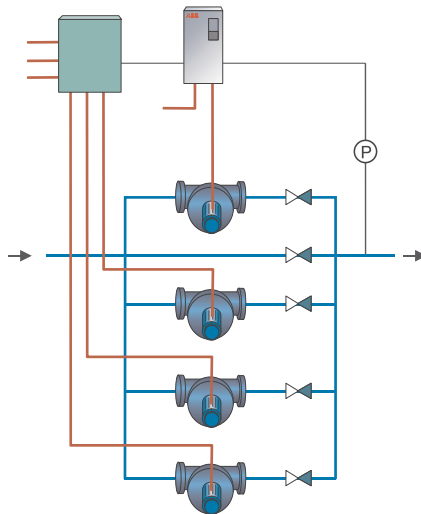


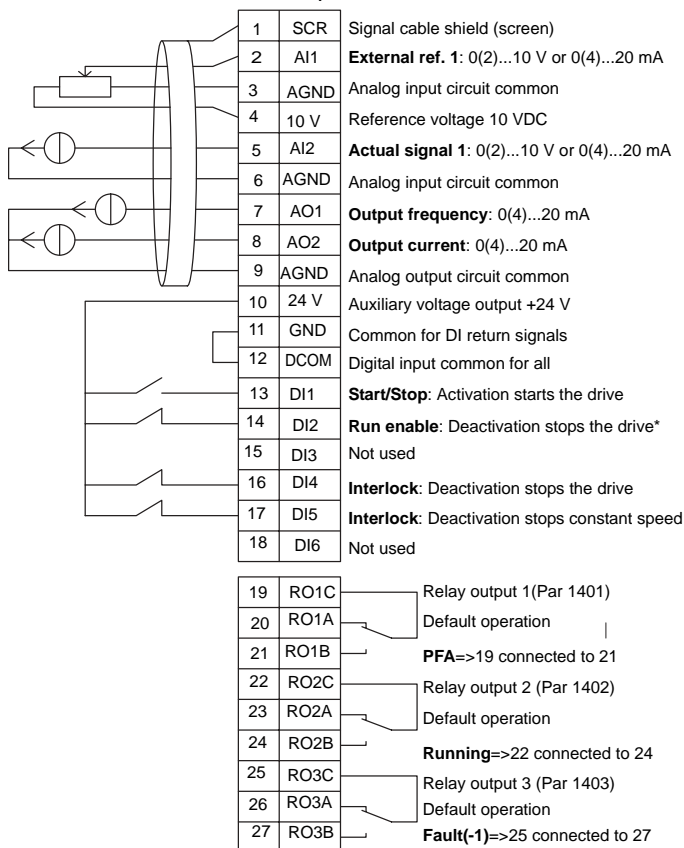
7. Pump alternation

This application macro is intended for pump alternation applications, usually used in booster stations in buildings. The pressure in the network is adjusted by changing the speed of the one pump according to the signal received from the pressure transducer and adding auxiliary pumps direct on-line when needed. As default in this macro there is possibility to use one auxiliary pump. To use more auxiliary pumps see parameter group 81. See the following figure.

When process PI(D) is used in AUTO mode, the feedback signal must be connected to analog input 2 (AI2) and the START command is given with digital input 1 (DI1). Setpoint is set from the control panel as default but it also can be given through the analog input 1. Process PI(D) must be commissioned and adjusted with parameters (Group 40) or using the PID control assistant (recommended).



Pump alternation



*Disable/enable with parameter 1601

Note! Drive starts only if possible protection functions (Run enable or Start enable 1 and 2) are activated from I/O or disabled with parameters.