

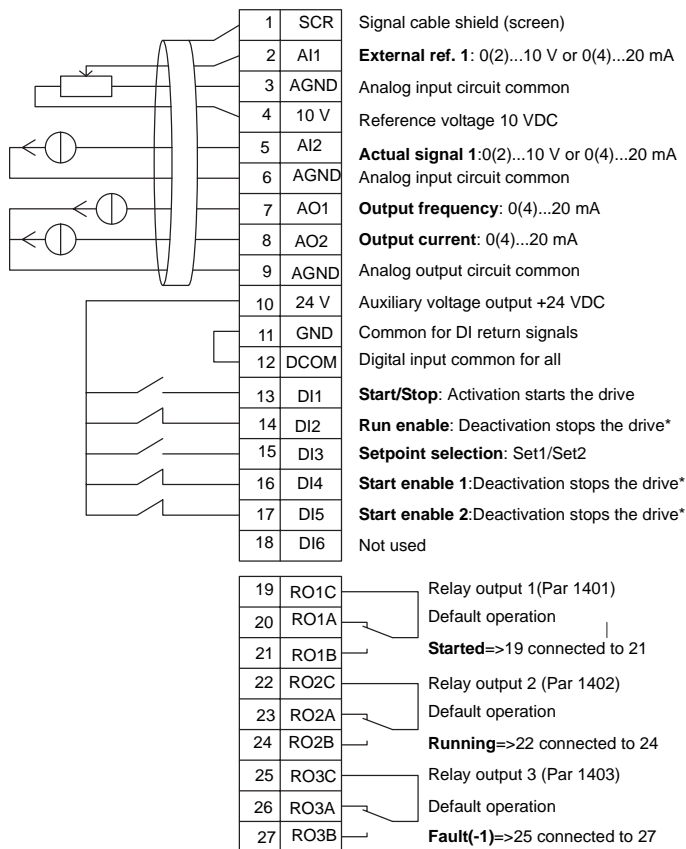
11. Dual setpoint with PID

This application macro is intended for dual setpoint PI(D) applications where process PI(D) controllers setpoint can be changed to another value by activating digital input 3 (DI3). Process PI(D) setpoints are set to the drive internally with parameters 4011 (set1) and 4111 (set2).

When using a direct speed reference in AUTO mode, the speed reference must be connected to analog input 1 (AI1) and the START command is given with digital input 1 (DI1). In HAND/OFF mode, the speed reference and START command are given through the control panel.

If process PI(D) is used, the feedback signal must be connected to analog input 2 (AI2). Setpoint is set from the control panel as default but it also can be changed to analog input 1. Process PI(D) must be commissioned and adjusted with parameters (Group 40) or using the PID control assistant (recommended).

Dual setpoint PID



*Disable/enable with parameters 1601,1608 and 1609

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.