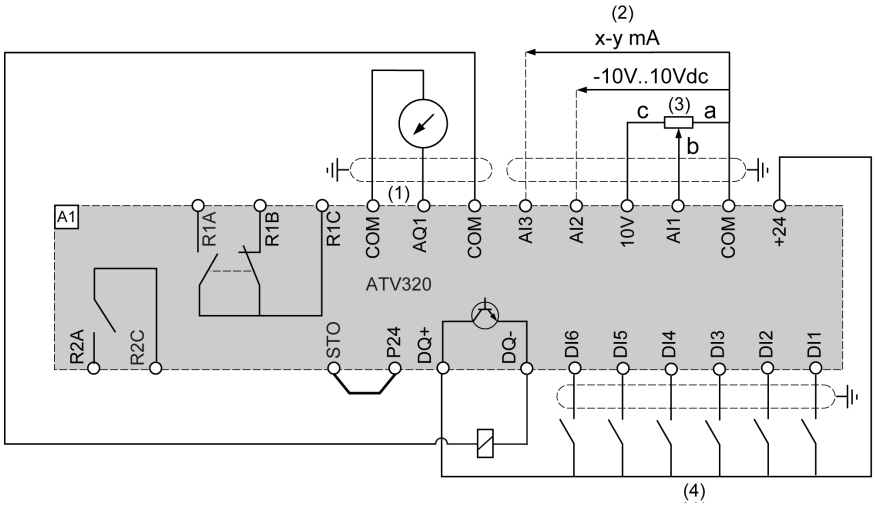
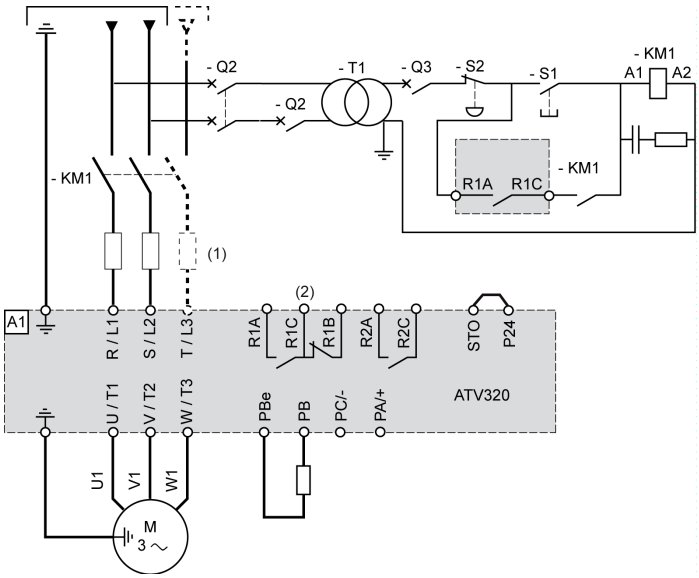
General Wiring Diagrams

Control Block Wiring Diagram



(1) Analog output
(2) Analog inputs
(3) Potentiometer SZ1RV1202 (2.2 kΩ) or similar (10 kΩ maximum)
(4) Digital Inputs - Shielding instructions are given in the Electromagnetic Compatibility section

Single or Three-phase Power Supply - Diagram With Line Contactor



(1) Line choke (if used).
(2) Use relay output R1 set to operating state Fault to switch Off the product once an error is detected.

Sink / Source Switch Configuration

⚠ WARNING

UNANTICIPATED EQUIPMENT OPERATION

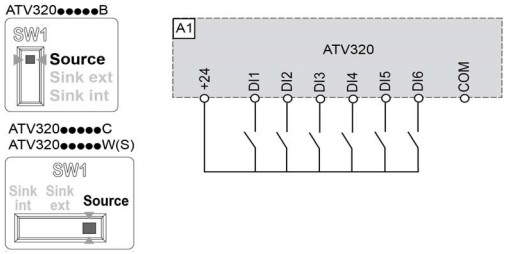
- If the drive is set to **Sink Int** or **Sink Ext**, do not connect the **0 V** terminal to ground or to protective ground.
- Verify that accidental grounding of digital inputs configured for sink logic, caused, for example, by damage to the signal cables, cannot occur.
- Follow all applicable standards and directives such as NFPA 79 and EN 60204 for proper control circuit grounding practices.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

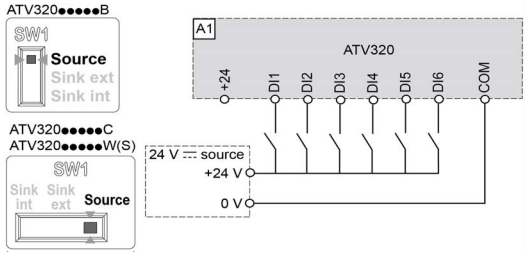
The switch is used to adapt the operation of the digital inputs to the technology of the programmable controller outputs. To access the switch, follow the Access to control Terminals procedure *(see page 125)*. The switch is located below the control terminals *(see page 122)*.

- Set the switch to Source (factory setting) if using PLC outputs with PNP transistors.
- Set the switch to Ext if using PLC outputs with NPN transistors.

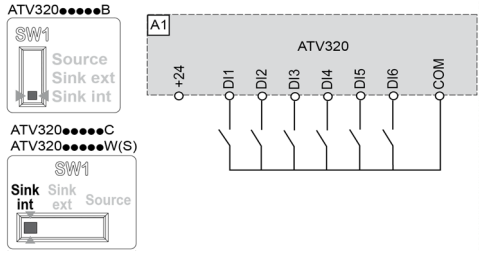
Switch Set to SRC (Source) Position Using the Output Power Supply for the Digital Inputs



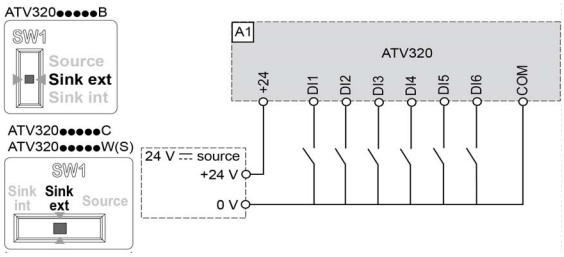
Switch Set to SRC (Source) Position and Use of an External Power Supply for the DIs



Switch Set to SK (Sink) Position Using the Output Power Supply for the Digital Inputs



Switch Set to EXT Position Using an External Power Supply for the DIs



NOTE:

- STO input is also connected by default on a 24 Vdc terminal. If the external power supply is switched off, the function STO will be triggered.
- To avoid triggering the STO function when switching-on the product, the external power supply must be previously switched on.