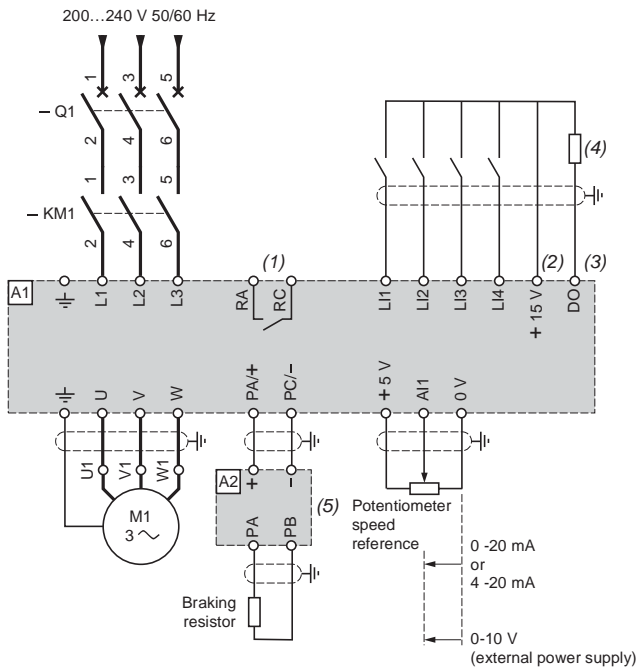


Variable speed drives for asynchronous motors

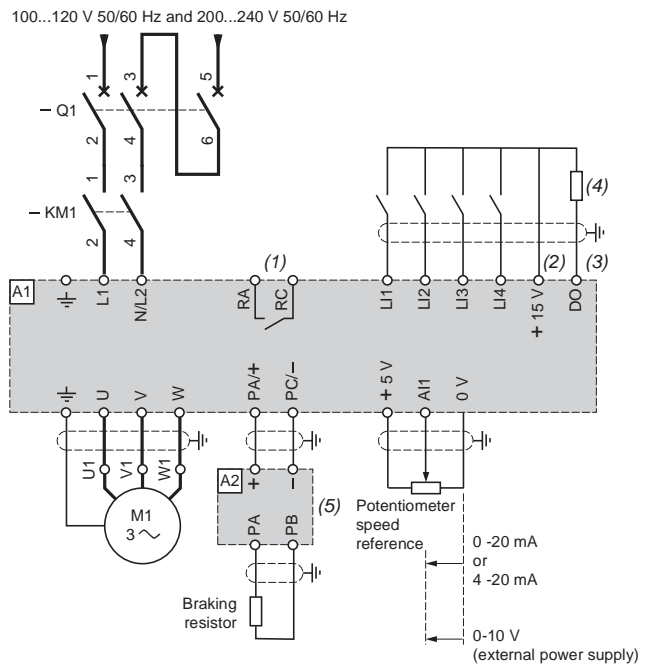
Altivar 11

Schemes with contactor

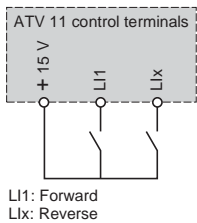
3-phase power supply ATV 11●●●●M3●



Single phase power supply ATV 11●●●●F1● and ATV 11●●●●M2●

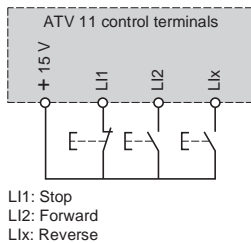


2-wire control



L11: Forward
Lix: Reverse

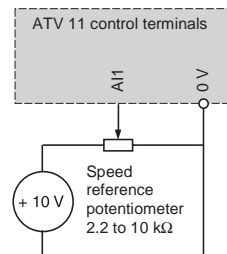
3-wire control



L11: Stop
L12: Forward
Lix: Reverse

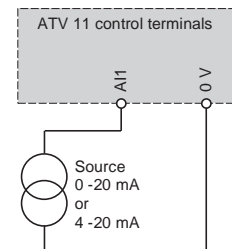
Analog voltage input

External 10 V use



Analog current input

0-20 mA or 4-20 mA



For combinations of KM1, Q1, etc, components (see the table on page 11).

(1) Fault relay contact: for remote signalling of drive status.

(2) Internal +15 V. If an external +24 V supply is used, connect the 0 V on the external supply to the 0 V terminal, do not use the +15 terminal on the drive, and connect the common of the L1 inputs to the +24 V of the external supply.

(3) DO output: can be configured as an analog or a logic output. Internal voltage +15 V or external +24 V.

(4) Galvanometer or low level relay.

(5) Braking module VW3 A11701, if braking resistor VW3 A587●● is used.

Note: Fit interference suppressors to all inductive circuits near the drive or connected on the same circuit, such as relays, contactors, solenoid valves, fluorescent lighting, etc.