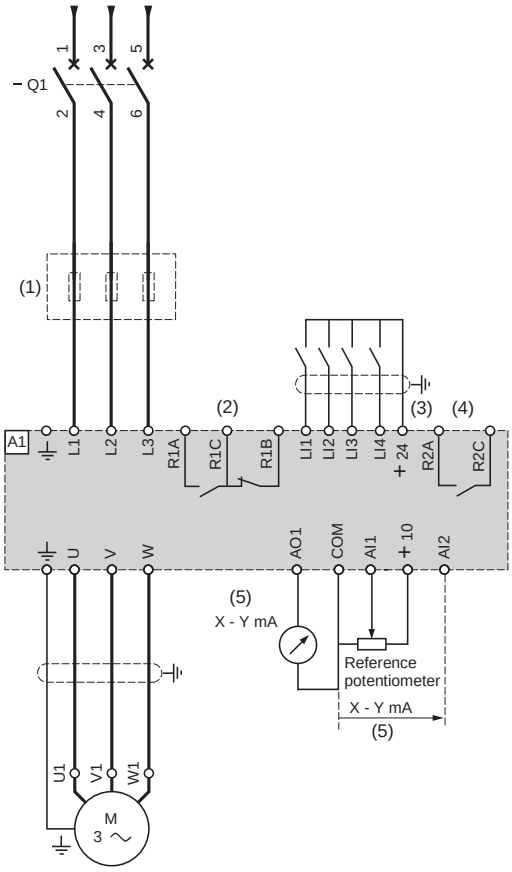
Variable speed drives for asynchronous motors
Altivar 38

Scheme without line contactor, recommended for machines which are not dangerous

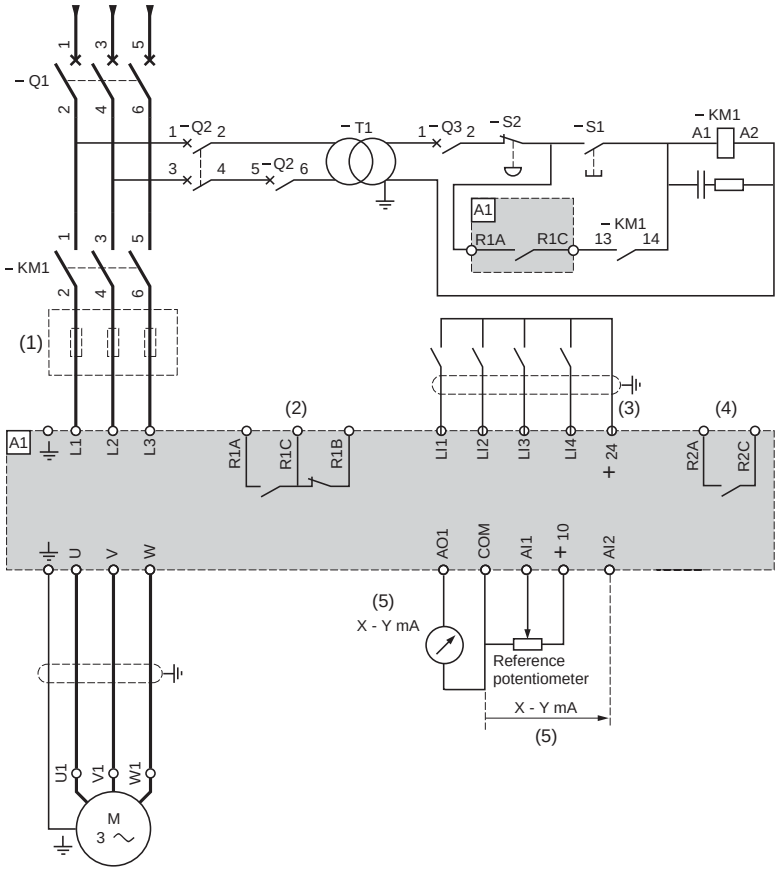
ATV 38Hpppp

3-phase power supply



Scheme with line contactor, recommended for dangerous machines which are switched off and on infrequently

3-phase power supply



(1) Line choke recommended

(2) Fault relay contacts for remote signalling of drive status

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

(4) Relay R2 can be reassigned

(5) X and Y can be configured between 0 and 20 mA independently for AI2 and AO1.

Nota :

1 *All terminals are located at the bottom of the drive.*

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

Compatible components

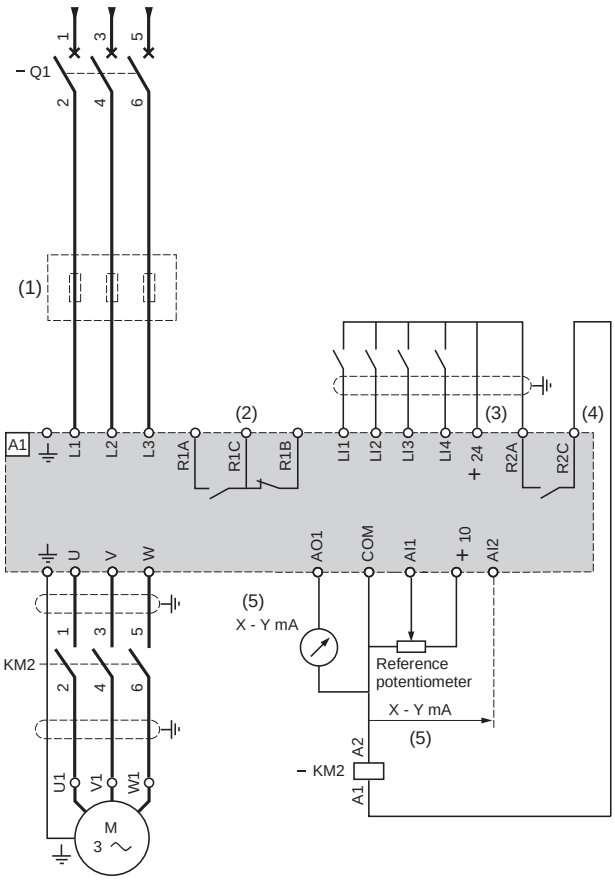
Code	Description
A1	Drive
Q1	GV2-L or Compact NS circuit-breaker (see pages 30 and 31)
KM1	LC1-Dpp contactor with interference suppressor (see pages 30 and 31)
S1, S2	XB2-B or XA2-B pushbuttons
T1	100 VA transformer 220 V secondary
Q2	GV2-L circuit-breaker rated at twice the nominal primary current of T1
Q3	GB2-CB05

Presentation: pages 2 and 3 | Characteristics: pages 4 to 7 | References: page 8 | Dimensions: pages 22 to 25

Scheme with downstream contactor, recommended for dangerous machines which are switched off and on frequently

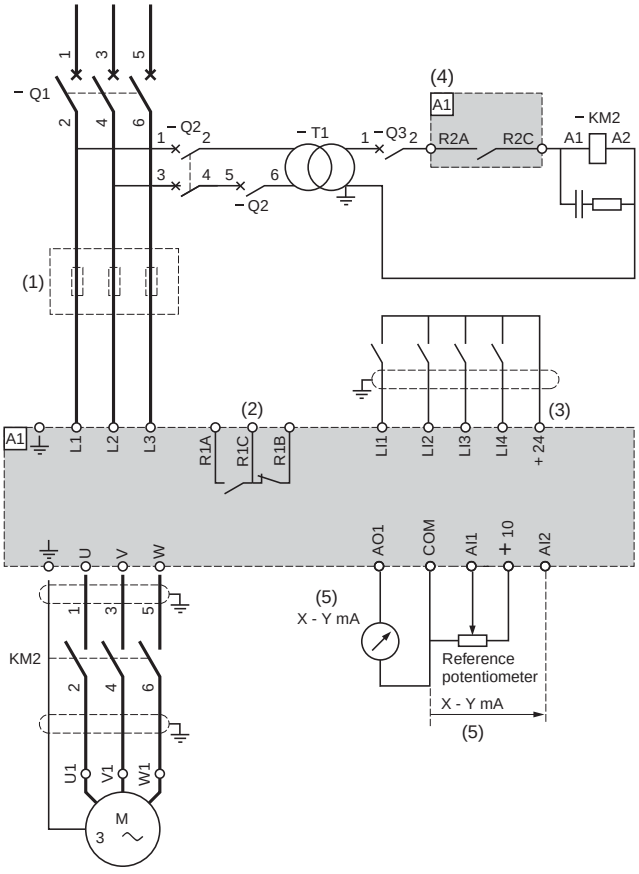
ATV 38HU18N4 to ATV 38HD23N4

3-phase power supply



ATV 38HD25N4p to ATV 38HC33N4p

3-phase power supply



(1) Line choke recommended

(2) Fault relay contacts for remote signalling of drive status

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

(4) Use the "downstream contactor control" function with relay R2 (or with the logic output LO of one of the "I/O extension" cards, when connecting).

(5) X and Y can be configured between 0 and 20 mA independently for AI2 and AO1.

Nota :

1 *All terminals are located at the bottom of the drive.*

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

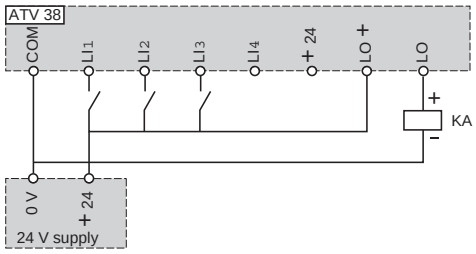
Compatible components

Code	Description
A1	Drive
Q1	GV2-L or Compact NS circuit-breaker (see pages 30 and 31)
KM2	LC1-Dpp contactor with interference suppressor (see pages 30 and 31)
T1	100 VA transformer 220 V secondary
Q2	GV2-L circuit-breaker rated at twice the nominal primary current of T1
Q3	GB2-CB05

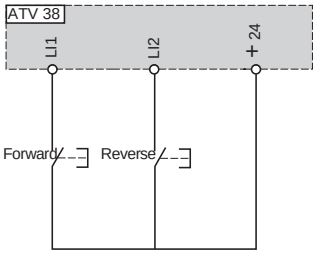
Presentation: pages 2 and 3
Characteristics: pages 4 to 7
References: page 8
Dimensions: pages 22 to 25

Variable speed drives for asynchronous motors
Altivar 38

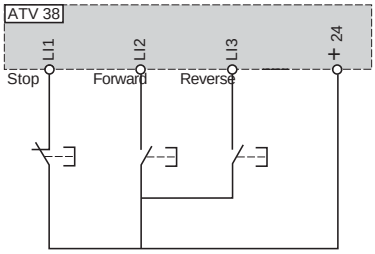
External 24 V supply for the logic inputs and/or the logic output



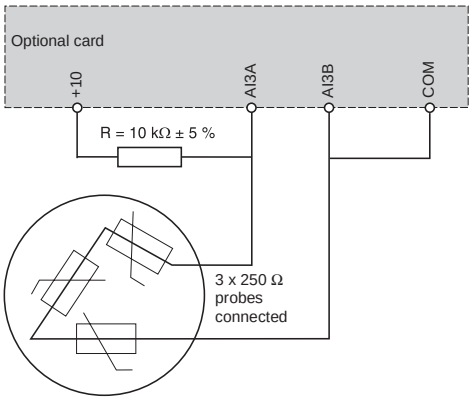
2-wire control



3-wire control

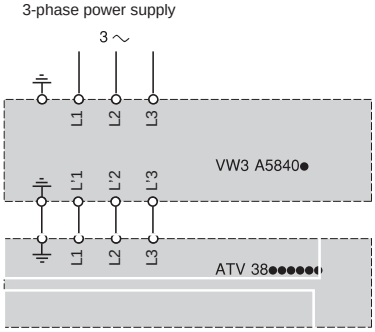


Motor protection via PTC probes, with optional analog input extension card



Additional radio interference suppression input filters

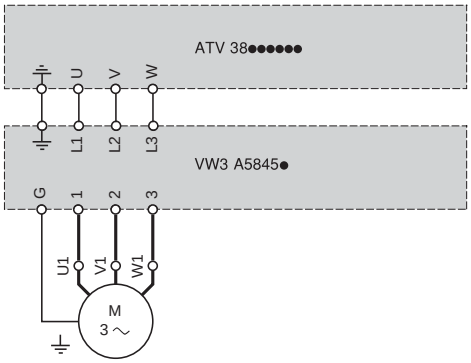
VW3 A5840p



Output filters

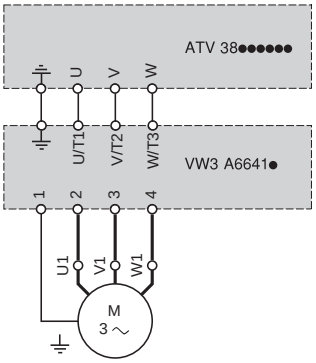
VW3 A5845p

LR cell



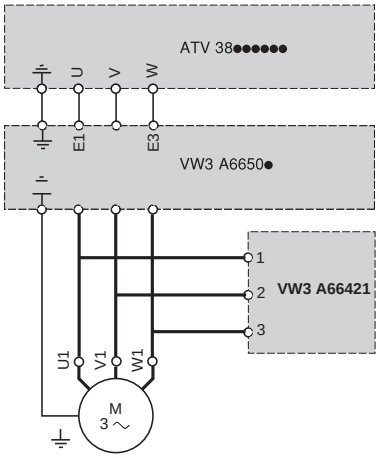
VW3 A6641p

LC cell



VW3 A6650p + **VW3 A66421**

Motor chokes motor + capacitors



Presentation: pages 2 and 3
Characteristics: pages 4 to 7
References: page 8
Dimensions: pages 22 to 25