

Note these points in the following wiring diagrams for Venkon EC with KaControl:

- ▶ Comply with the details on cable types and cabling with due consideration for VDE 0100.
- ▶ Without *: NYM-J. The requisite number of wires, including protective earth, is stated on the cable. Cross-sections are not stated, as the cable length is involved in the calculation of the cross-section.
- ▶ With *: J-Y(ST)Y 0.8mm. Lay separately from power lines.
- ▶ With **: Lay UNITRONIC BUS LD 0.22 mm² or similar separately from high-voltage cables.
- ▶ If other types of cables are used, they must be at least equivalent.
- ▶ Length of BUS cable from the KaController to unit 1: max. 30 m.
- ▶ Maximum number of parallel units: 6 units. CANbus cards type 3260301 needed for each unit (see accessories) maximum 30 no. Length of BUS cable from unit 1 to the last unit max. 30 m. The cable length can be increased to 300 m using CANBUS cards type 3260301 (see accessories).
- ▶ The terminals on the unit for the mains power supply are suitable for a maximum wire cross-section of 2.5 mm².
- ▶ Only pulse and/or all-current sensitive residual current protective devices (type A or B) are permitted when using residual current protective devices. When power is applied to the unit, pulse-like capacitor load currents in the integrated EMC filter can lead to the RCCB being immediately tripped. We recommend residual current protective switches with a threshold of 300 mA and delayed triggering (super resistant, characteristic K).
- ▶ The electrical data need to be respected when rating the in situ mains power supply and fusing.



