



E*LDS VS 300 Compact Pack Controller



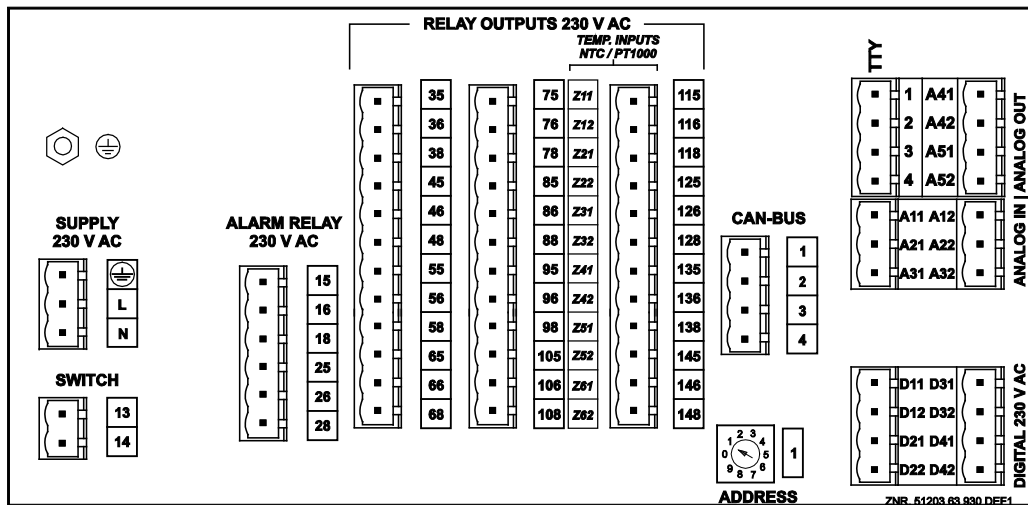
Special functions and features

- For multicompressor pack and condenser control
- Any allocation of 2 control circuits (with 1 or 2 refrigerant circuits)
- Different types up to 4 / 8 / 12 compressors- / condenser stages
- Joint actuation of one and multi stage compressors up to 3 stages
- Step-, speed- and combined control of compressors and condensers
- For booster and satellite operation
- Stand-Alone operation with real-time clock or CAN bus
- Alarm relay, monitoring of low and high pressure and also external alarms with individual alarm priorities
- Archiving of compressor starts, run times and activities, alarms, messages, parameter back-up
- Various operation and display capabilities on integrated operator unit, separate operator terminal, system centre, or comfortable with PC-software LDSWin
- Display and parameter settings of actual values and setpoints in the 4-digits LED-display
- For panel mounting (DIN rail mounting on request)
- Internal 230 V power supply

Order numbers

- EVS300A001
VS 300 with 4 relay, for Stand-Alone operation
- EVS300A003
VS 300 with 8 relay, for Stand-Alone operation and CAN bus
- EVS300A004
VS 300 with 12 relay, for Stand-Alone-operation and CAN bus

Connection diagram VS 300



Specifications

Electrical connection

- Operating Power: 230 V AC / 50 - 60 Hz / 10 VA

Interfaces

- Outputs: Relay: 3 different types with 4/8/12 changeover à 230 V AC / 2,5 A floating for compressors and condensers; optional, special alarm relay card: 2 x changeover 230 V AC / 4 A floating / delayed and buffered 2 x 0..10 V for speed control of compressors and condensers
- Inputs: Analog: Analog: 4 x 230 V AC floating, e.g. for external alarms
- Field bus: Analog: 2 x 0..20 mA for LP/HP transmitter
- Data: CAN bus / floating (only with CAN bus-module)
- Archive memory: TTY passive
- Real-time clock: Compressor starts, run times and activities, messages / alarms (other refrigeration data by system centre)
- Monitoring function: Power reserve (lithium cell)
- Watchdog

General data

- Dimensions: W 192 x H 96 x D 117 mm
- Temperature range: Transport: -20 °C .. +80 °C
Operation: 0 °C .. +50 °C
- Relative humidity: Transport: 8 % .. 80 %
Operation: 20 % .. 80 %
- Protection: IP20
- Standards: Complying with EU Directives
89/336/EEC (EMC-Directive)
73/23/EEC (Low Voltage Directive)

Eckelmann Group – Source of inspiration

Eckelmann AG
Berliner Straße 161 65205 Wiesbaden Germany
Telephone +49 611 7103-700 Fax +49 611 7103-133
elds-support@eckelmann.de www.eckelmann.de

VS 300 EN-V6.4
Version from March 2017
Technical modifications and errors reserved