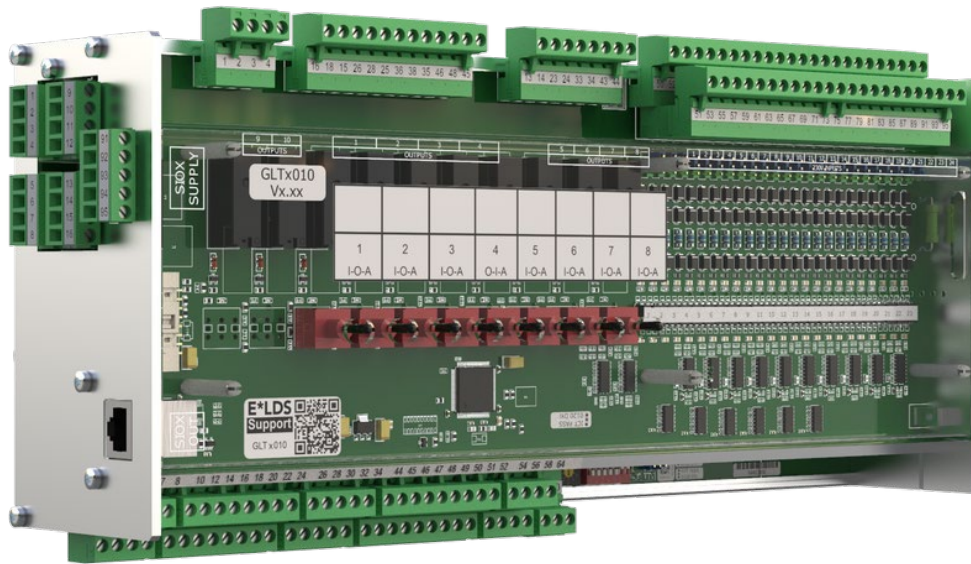


Eckelmann

E*LDS Compact GLT 3010 / GLT 5010



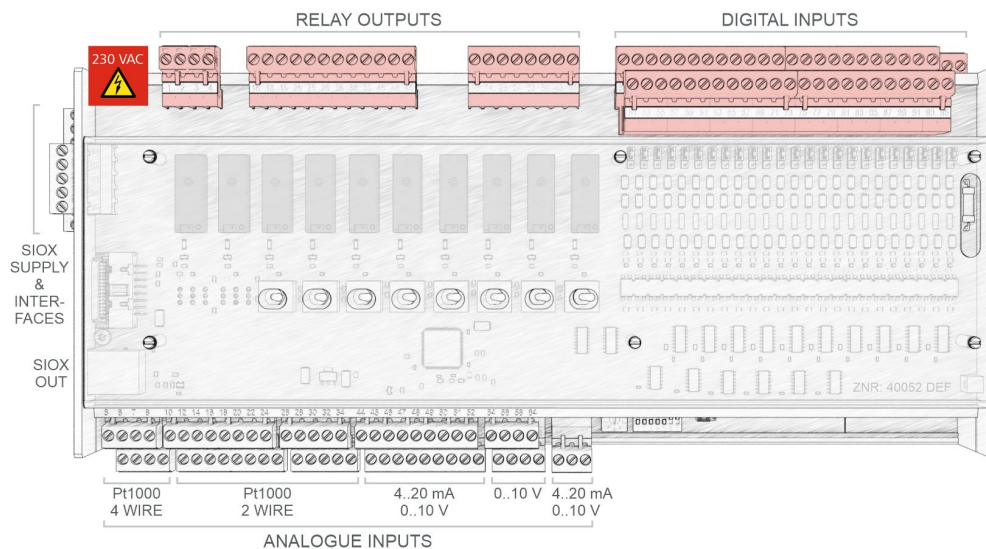
Special functional and performance features

- Freely programmable controller according to IEC 61131-3 for individual solutions such as integrated building control system, discount markets, filling stations, room air, heating, sanitary, lighting or solar technology, heat pumps, geothermal energy, combined heat and power plants and special solutions.
- Extensive libraries, e.g. PID controller
Function libraries on request
- Differences: Same hardware, only a different firmware.
The GLT channel configuration is embedded in the application for the GLT 5010 (500 data points).
The GLT configuration file is needed for a GLT 3010 (150 data points).
- Monitoring, alerting and archiving
in connection with the system centre
- Robust industrial technology, tried and tested over many years
- Basic configuration level:
23 x digital inputs 230 V
10 x relay outputs 230 V (8 of which with control switch)
7 x analogue inputs 4..20 mA (0..10 V)
4 x analogue outputs 0..10 V (4..20 mA)
Temperature inputs:
13 x Pt1000 2-wire
2 x Pt1000 4-wire
- Real-time clock with power reserve
- Expandable with up to 4 SIOX extension modules. Per module additional 8 x relay outputs 230 V (with control switch) and 12 x digital inputs 230 V
- Control switch Manual/Off/Automatic for individual wiring (emergency operation or commissioning)
- For DIN rail mounting, with built-in 230 V power supply unit
- Complete integration in the E*LDS system

Order numbers

- Compact GLT 3010 GLT301011
- Compact GLT 5010 GLT5010111

Connection diagram for Compact GLT 3010 / GLT 5010



Technical data

Electrical connection

- Supply voltage: 230 V AC, 200 - 265 V AC / 50 - 60 Hz / 24 VA

Interfaces

- Outputs
 - Relay: 6 x normally open contacts, 4 x changeover contacts: 230 V AC / 6(3) A, floating output
 - Analogue: 4 x 0..10 V for speed control of fans, continuous valves
- Inputs
 - Digital: 23 x 230 V AC floating output for recording the system operating status
 - Analogue: 13 + 2 x temperature sensors Pt1000 / 7 x inputs 4..20 mA / 0..10 V
- Field bus: CAN bus / floating output
- Data: Serial RS232 / RS485 / interface for SIOX extension module, TTY passive
- Data points:
 - GLT 3010: 150 per controller, GLT channel configuration file "glt.cfg" is needed
 - GLT 5010: 500 per controller, GLT channel configuration is embedded
- Other: Power supply for up to 3 SIOX extension modules
- Monitoring function: Watchdog

General data

- Dimensions: W 338 x H 160 x D 84 mm
- Temperature range
 - Transport: -20 °C .. +80 °C
 - Operation: 0 °C .. +50 °C
- Relative humidity
 - Transport: 8% .. 80%
 - Operation: 20% .. 80%
- Protection rating: IP20
- Standards and regulations: EC Declaration of Conformity according to
 - 2004/108/EC (EMC Directive)
 - 2006/95/EC (Low Voltage Directive)
 - 2002/95/EC (RoHS)