Name of reference: BIODAL Sweden

Suplier: ELVAC a.s.
Customer: VYNCKE s.r.o.
Market segment: LV switchboards
Year of realization: 2015

Introductory text:

Elvac a.s. was involved in the production and supply of LV electrical switchboards for building "BIODAL, Sweden". Work included the manufacture and supply of switchboards, including the supply of electrical components.

Description of the application:

Switchboards are used for the power and control of technological equipment for biomass combustion and steam production for heating of civil buildings. The main power switchboard with a nominal current of 1250A is equipped in order to ensure safe operation of the technology through two independent inlets. Power distribution for each device is realized by protecting and switching elements installed through adapters directly to the bus system. Motor drives are powered through a frequency converter.

Applied products and technologies:

- Cabinets with accessories produced by Rittal TS8 series
- Device content from Schneider Electric, OMRON, Pilz SOCOMEC
- Transformers for power control circuits are from ISMET
- The control system type Simatic S7-300 from Siemens
- Frequency converters are used from Vacon
- Clamp materiál from Phoenix Contact