

## Groesteen, Luksemburg

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120MVA power transformer control cabinet. The switchgear is a continuation of many years of cooperation with our client. This is already the 10th implementation of the wind farm project in Luxembourg.

Supply voltage: 400/230V AC

Control voltage: 220V DC

Rated current: 40A

Tightness class: IP66

Corrosion protection: C4

Operating temperature range: -20°C to 40°C

**IMPLEMENTATION DATE: FEBRUARY 2020**

### Switchboard:

Custom made wardrobe at the customer's request.

**Dimensions:**1400mm x 2000mm x 600mm

**Type:**SZS-OH - hanging housing, with the possibility of mounting on the transformer support frame using pins in the rear part of the housing. Made of stainless steel, polished coating.

**Color:**RAL7038

**Manufacturer:**Radiolex

SO-G-13055-A01 - **SZS-OH-1400\*2000\*600** - switchboard housing - manufacturer Radiolex

### ABB equipment used:

1SBH137001R1322 - **NF22E-13** - Contactor 2NO/2NC 6 A 230 V AC/DC

1SBL183001R8810 - **AL 16-30-10** - Contactor 220V DC

1SVR405611R9100 - **CR-M220DC2L** - 220V DC relay

1SVR405651R1000 - **CR-M2SS**- Relay socket mounted on a DIN rail 7A 250V

1SVR730010R0200 - **CT-MFS.21S**- Timer relay 24-240V AC/DC; Time range: 0.05s - 300h

1SVR730794R3300 - **CM-PVS.41S** - 3ph relay 300-500V AC

2CCA703050R0001 - **E218-16-11** - Modular switch 16A 250VAC

#### **Aparator equipment used:**

4G10-207-U - **4G10-207-U** - Reversing cam switch 1-2 1P 10A

63-840306-031 - **4G25-10-PK** - Cam switch 0-1 3P 25A

63-840343-011 - **4G10-53-U** - Cam switch 1-0-2 3P 10A

63-840398-051 - **4G63-92-PK** - Cam switch 0-1 3P 63A

#### **Stego equipment used:**

01140.0-00 - **KTO-011**- Thermostat 1NC, 0 to +60°C

02527.0-00 - **SL025** - Slimline SL series lamp 230V 11W

08400.0-03 - **DA084** - Pressure equalizing cartridge

08410.0-00 - **DD084** - Drying element

14007.0-00 - **HG140** - Semiconductor heater AC/DC 110-250V, 100W

#### **Apparatus from other manufacturers used:**

10387303 - **TC20CV**- current transformers 10A manufactured by Triquest

2967060 – **PLC-RSC-24DC/21-21** – Universal relay of the PLC series 24V DC 6A manufactured by PhoenixContact

5102-DNPM-MCM3 – **DNP 3.0**– DNP 3.0 protocol driver, ProLinx manufacturer ProSoftTechnology

doublePRIME IDD –**IDD**– Monitor of outflow parameters manufactured by doble

Mtec-EPT202 – **MteC-EPT202** – Transformer protection controller manufactured by Messko

P32100P0 – **PT100/4-20mA** – Temperature control relay manufactured by Knick

RMA42-AA-C –**RMA42**– Measurement signal transducer manufactured by Endress+Hauser

T/Guard 408 – **Qualitrol T/Guard 408** – Fiber optic temperature controller manufactured by Qualitrol

Tapcon 260 –**Tapcon 260** –Tap changer controller manufactured by Maschinenfabrik Reinhausen

## GALERIA PRODUKTU WRAZ Z PRZYKŁADOWYMI REALIZACJAMI





