

New York, USA

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275MVA power transformer control cabinet. The implementation included the production and prefabrication of 2 switchboards in accordance with the IEEE C57.148 standard for an energy company in the USA. Thanks to the use of thermal insulation in the housing, heating costs are saved and the switchgear operates uninterrupted in frosty conditions.

Supply voltage: 240/120 VAC 60Hz

Control voltage: 129VDC

Rated current: 60A

Standard: USA

Tightness class: IP55

Corrosion protection: C4

Operating temperature range: -25°C to 40°C

IMPLEMENTATION DATE: OCTOBER 2019

Switchboard:

Dimensions:1400mm x 1800mm x 680mm

Type:RSB-ZN - universal free-standing housing made of steel sheet with epoxy primer IP66

Color: inside: RAL_9003_GS

outdoor: 5BG7.0/0.4

Manufacturer:Radiolex

126-063.034 - **RSB-ZN 1800*1400*680** - Switchgear housing - manufacturer Radiolex

ABB equipment used:

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

1SBL237001R1300 - **AF 26-30-00-13** - Power contactor 26A 3P 11kW 100-250V AC/DC

1SBN010040R1122 - **CA5-31 M** -Auxiliary contact block 2NO 2NC

1SBN020114R1000 - **TEF4-OFF** - Time relay 1Z 1R turn-off delay

1SDA074642R1 -**XT1 125A TMF 60A FF** - Molded case circuit breaker 125A, fixed threshold 60A

2CCF008911R0001 -**S502-K32**- 32 A circuit breaker with adjustable thermal trip for motor protection

The equipment used by the manufacturer Qualitrol:

042 -**042** -Oil level indicator

103-023-01 - **103-023-01** - Resistance thermometer (oil)

103-049-01 - **103-049-01** - Resistance thermometer (ambient)

104/TR6000 -**TR6000**- Oil temperature indicator

213/XPRD - **213/XPRD** - Pressure equalization device

900-009-03 - **900-009-03** - Rapid pressure build-up relay

909-300-01 - **909-300-01** - Hold relay

IED509-00243499 - **IED509-00243499** - Electronic temperature monitor

TRA-017-01 - **CT 10A** - Current transformer 10A

STEGO equipment used:

01140.0-00 - **KTO011** - Thermostat 1NC, 0 to +60°C

01172.0-00 - **ZR-011**- Thermostat 1NC, 0 to +60°C

01801.0-02 - **FF018** - Fan with filter 120VAC

02540.0-01 - **LED 025** - LED lamp 5W 100-240V

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

General Electric equipment used:

EB25B06 - **EB25** - Terminal block 30A 6P

EB25B12 - **EB25** - Terminal block 30A 12P

EB27B06SC - **EB27** - Terminal strip with cover 30A 6P

Eaton equipment used:

038847 - **T0-2-8221/E** - Cam switch 1-2 20A 2P

067352 - **T0-1-8200/E** - Cam switch 0-1 20A 1P

091059 - **T0-5-8270/E** - Cam switch 1-2-3 20A 3P

Apparatus from other manufacturers used:

1422122 - **series 142** - 2P terminal block manufactured by Marathon

1423122 - **series 142** - 3P terminal block manufactured by Marathon

20K02-D - **20K02-D** - Current test switch manufactured by States

7012PD- **7012PD** - 50s 240VAC time relay manufactured by Agastat

GF5262IA - **GF5262IA** - Double socket 15A 125V AC manufactured by Hubbell

KXCBS11 - **KXCBS11** - Limit switch manufactured by Lovato

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