

Reno, USA

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A 180MVA power transformer control cabinet. It was exported to Reno, located in the state of Nevada, USA. The realisation included the prefabrication of two switchboards.

Supply voltage: 208V, 120V AC

Control voltage: 125V DC

Rated current: 32A

Standard: USA

Protection class: IP66 enclosure

Corrosion protection: C4

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

IMPLEMENTATION DATE: JUNE 2019

Switchboard:

Dimensions:1600mm x 1600mm x 680 mm

Type:SZS-ZN – standing or hanging casing made of steel sheet with epoxy primer. Special version, resulting from the construction of a housing with dimensions outside the offered catalogue.

Color:

inside: RAL_9003;

exterior: ANSI_70 Light Gray;

Manufacturer:Radiolex

126-063.030 – **SZS-ZN 1600*1600*680** – Switchgear housing – manufacturer Radiolex

ABB equipment used:

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

1SBH137001R1380 - **NF80E-13** -Contactor relay 100-250V

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

1SVR430884R1300 - **CM-MPS 160-300 VAC** -Three-phase, multi-function monitoring relay

2CCF008949R0001 - **S503-K32** - 32 A circuit breaker with adjustable thermal trip for motor protection

RET670 2.2-A25- **RET670** -Transformer protection, tap changer and voltage control

Marathon equipment used:

1422122 - series 142 - 2P terminal block

1423122 - series 142 - 3P terminal block

1506 SC - **1500 SERIES 6 POLE** - terminal block with brass inserts 1500 series, 6 poles

1506 STD - **1500 SERIES 6 POLE** - 1500 series terminal block, 6 pole

1512 STD - **1500 SERIES 12 POLE** - 1500 series terminal block, 12 poles

Stego equipment used:

01140.0-00 —**KTO-011**- Thermostat 1NC, 1NO; 0 to +60°C

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

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

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

Apparatus from other manufacturers used:

050712 - **T0-4-8223/E** - Cam switch 1-2 4P 20A manufactured by Eaton

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

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

20K02-D – **20K02-D** – Test switch manufactured by States

2811860 – **MACX MCR-T-UI-UP** – Temperature measuring transducer manufactured by PhoenixContact

CCH-CP12-A8-P03KH – CCH – Wall of the cabinet connector housing manufactured by CORNING

GF5262IA – **GF5262IA** – Socket 15A 125V manufactured by Hubbel

SE-330-07-00 – SE-330 – Earth resistance monitor manufactured by Startco

SK 3241.110 – TopTherm – Filter fan 46W 115V AC manufactured by Rittal

SPH-01P – SPH – Single-panel housing manufactured by CORNING

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