

Netherlands

HOME > CATEGORIES > COMPLETED PROJECTS > NETHERLANDS

Control cabinet for ventilation and extraction installation of two production lines.

Supply voltage: 400/230V AC

Control voltage: 24V DC

Rated current: 630A

Standard: Dutch

Protection class: IP55 enclosure

IMPLEMENTATION DATE: JULY 2018

Switchboard:

Dimensions: 3600mm x 2200mm x 600mm

Type: The switchgear was made to order, its total dimensions: 3600mm x 2000mm x 600mm. It consists of several elements: Large-size RR housing with dimensions 1200mm x 2000mm x 600mm, BRRZ – side of the external frame housing, 3 mounting plates (galvanized). Additionally, it was placed on a 1200mm x 2000mm plinth and a height of $h = 200\text{mm}$. The individual elements were manufactured by Radiolex.

Color: RAL5005_GS

Producer: Radiolex

Components of the switchgear housing:

140-045 - **RR-1200*2000*600**– Standing frame housing – manufacturer Radiolex

146-012 - **BRRZ-2000*600**– Side of frame housing, external – manufacturer Radiolex

128-022- **PB-1200*2000**– Mounting plate – manufacturer Radiolex

149-018- **CR-1200*600**– Plinth for RR, height=200mm – manufacturer Radiolex

Eaton equipment used:

066168 – **EMT6-DBK** – Thermistor protection for machines 6xPT 24-240V AC/DC

072736 – **PKZM0-2.5** – Motor switch 2.5A 3P 0.75kW

114316 – **D02-LTS/63/3-R** – Fuse switch 63A 3P D02

183033 – **XNH00-S160** – 3P 160A NH00 fuse switch

221784 – **EMR4-F500-2** – Phase sequence control relay 2P 200-500V

239416 – **DILM80(RDC24)** – Power contactor 80A 3P 24-27V DC

239510 – **DILM95(RDC24)** – Power contactor 95A 3P 24-27V DC AC-3

239555 – **DILM115(RDC24)** – Power contactor 115A 3P 24V DC AC-3

266024 – **N3-4-630** – 4-pole power switch. 630A BG3

276705 – **DILM9-10(24VDC)** – Power contactor 9A 3P 24V DC

Shrack equipment used:

BES00250 – Motor switch 1.80-2.5A

IS211441 – Complete Combtec surge protection block class I+II+III TNS 275/12.5

LSDD0925 – Contactor 3P 4kW 400V 24V DC

MC299763 – Shunt release for MC2 AND MC3 208-250V AC/DC

MC363045 – Switch disconnecter 630A, 4-pole

MC396783 – Box terminals for MC3 4-pole

MC900003 – Residual current relay 0.03-5A, type A

SI014850 – Post insulator 4P 630A

SI015860 – Clamp 30x30mm for connecting flexible and solid rails

SI016010 – Post insulator 1P for N/PE

SI311580 – Secur Power Liner D0 63A fuse switch

SI331980 – Safety switch 160A

UR5R1021 – Engine temperature control relay 5A, 1P

Allen-Bradley equipment used:

1321-3RA100-B – Choke 1321, 100A

1321-3RA80-B – Choke 1321, 80A

1769-ECR – CompactLogix bus terminator right

1769-IQ32 – CompactLogix discrete module 32 inputs 24VDC

1769-L33ER – CompactLogix 5370 L3 Controller

1769-OB32 – CompactLogix discrete module 32 inputs 24VDC

1769-PA4 – CompactLogix power supply 120/240V AC

1783-BMS10CGN – Stratix 5700 managed switch

20F11NC072JA0NNNNN – PowerFlex 753 AC drive 400V 3f 72A 37kW

20F11NC085JA0NNNNN – PowerFlex 753 AC drive 400V 3f 85A 45kW

20F11NC104JA0NNNNN – AC drive PowerFlex 753 400V 3f 104A 55kW

2711P-T10C4D8 – PanelView Plus 6 Terminal – touch screen, RS-232 protocol

Wieland equipment used:

81.000.6120.0 – **WIPOS P1 24-2.5** – Universal switching power supply

81.000.6130.0 – **WIPOS P1 24-5** – Universal switching power supply

81.000.6135.0 – **WIPOS P1 24-3.8** – Universal switching power supply

R1.188.0590.0 – **SNE4004K-A** – Extension of AC/DC 24V safety relay outputs

R1.188.1680.0 – **SNA4043K** – AC/DC safety relay 24V 50-60HZ

Apparatus from other manufacturers used:

48.52.7.024.0050 – 2P relay module, 24V DC coil – manufacturer Finder

KCD2-SR-EX2 – 24VDC binary signal separator – manufacturer Pepperl-Fuchs

SO20A – Online pulse filter controller – AP Mikroster s.c.

GALERIA PRODUKTU WRAZ Z PRZYKŁADOWYMI REALIZACJAMI



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EXEMPLARY OF IMPLEMENTATION

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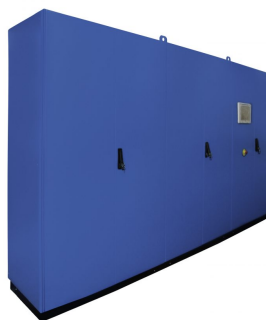
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