



Switchgear set ZB-91



Switchgear set type ZB-91 is an electrical device designed for use in underground mining pits in non-explosion hazard conditions and on the ground in non-explosive hazard conditions.

Switchgear set ZB-91 comprises of four switchgear units type RKS4-1P/2R and one type RKS3-2RP/42R and of control cabinet type SA-P2RW, mounted in a common structure

Switchgear set ZB-91 is designed for connecting and switching-on receivers (especially conveyor belts) to the mine 3-phase grid with insulated star point on the transformer (system IT) for rated voltage of 500V.

TECHNICAL DATA:

| | |
|--|--|
| ingress protection | IP54 |
| rated voltage of main circuits insulation | 660 V |
| rated voltage of auxiliary circuits insulation | 250 V |
| rated supply voltage | 500V, 50 Hz |
| maximum load current of 500V outlets | acc. to Tab.1 |
| number of 500V outlets | 4 |
| dimensions | 2000 x 3200 x 300mm (height x width x depth) |
| weight | 550kg |

Table 1

| Type of switchgear | Maximum load current outlet [A] | Maximum power of connected receiver P_e [kW] | Rated current of clamps from the supply side (I_{nz}) [A] |
|----------------------|---------------------------------|--|---|
| Switchgear set ZB-91 | 250 | 160 | 400 |

CONSTRUCTION

The switchgear is manufactured from steel sheets. The whole is placed on the common carrier frame. Frame can be placed directly on the ground.

MODE OF OPERATION

The control of 500V outlets in set ZB-91 is carried out with the controller in cabinet SA-P2RW.

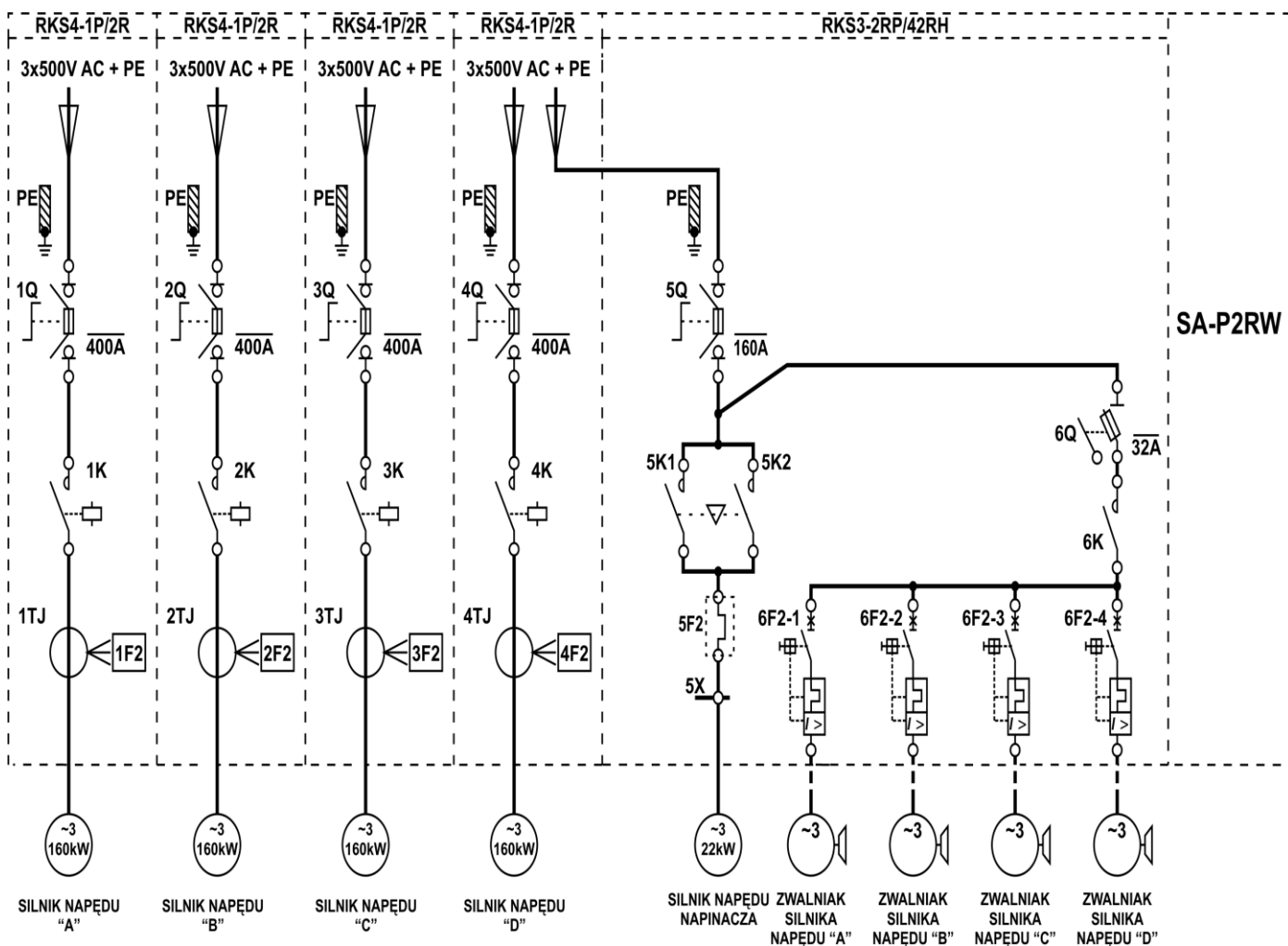
SCHEMATIC DIAGRAM

Legend:

Silnik napędu A,B,C,D – The motor drive A,B,C,D

Silnik napędu napinacza – The motor drive of tensioner

Zwalniak silnika napędu A,B,C,D – The motor drive release



Zamówienia należy składać pisemnie lub faxem na adres:

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