

INSTAL-SERVICE PL

Spółka z ograniczoną odpowiedzialnością Spółka komandytowa

58-506 Jelenia Góra, ul. Wrocławska 15a

Switchgear set ZB-93



Switchgear set type ZB-93 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-93 comprises of two switchgears connected by cable type RKS5-3W and KTO-05/WL(4,1), mounted in a common structure.

Switchgear set ZB-93 is designed for connecting and switching-on receivers (especially dampers of iced water) to the mine 3-phase grid with insulated star point on the transformer (system IT) for rated voltage of 500V.

TECHNICAL DATA:

ingress protection rated voltage of main circuits insulation rated voltage of auxiliary circuits insulation rated supply voltage maximum load current of 500/230V outlets number of 500/230V outlets dimensions weight IP54 660 V 250 V 500V, 50 Hz acc. to Tab.1 3/4

900 x 1400 x 370mm (height x width x depth) 140kg

Table 1

Type of switchgea	Maximum load r current outlet [A]		Rated current of clamps from the supply side (Inz) [A]
RKS5-3W	6	4	32
KTO-05/WL(1,1) 25	-	50

email: instal@instal-service.pl

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.

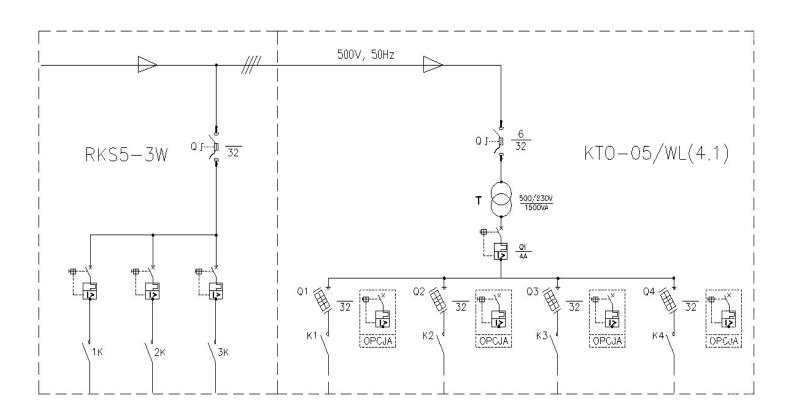
MODE OF OPERATION

Switchgear set ZB-93 (RKS5-3W and KTO-05/WL(4,1) is designated for suppling receivers (especially dampers of iced water) by 500 voltage and lighting receivers by 230 voltage. Outlets of 500V supplied from switchgear RKS5-3W are turned on/off using buttons situated on the face of the switchgear. Outlets of 230V supplied from switchgear KTO-05/WL(4,1) are turned on/off using buttons situated on the face of the switchgear. Switchgears are equipped with power protections against short-circuits, overloads, lowering of insulation resistance. State of switchgear operation are signalized with luminescence diodes.

SCHEMATIC DIAGRAM

Legend:

Q - fuse disconnector T - transformer Q1-Q4 - fuses 1K-3K, K1-K4 - contactors Opcja - option



Orders should be submitted in writing or by fax to the address:

