

Switchgear type RKS5-4/1U/P

for rated voltage 500V



Switchgear type RKS5-4/1U/P (option P remote mode) is an electrical device designed for use in the underground mining pits in non-explosive conditions and on the ground.

Switchgear type RKS5-4/1U/P (option P remote mode) is designed for connecting and switching on receivers in the 3-phase mine grid with insulated star point on the transformer (system IT) of rated grid voltage of 500V.

Switchgear is used for supplying mining bolting and drilling rigs. Outlets II, III is switched on/switched off by the control button situated on the face of the switchgear. Outlets I, IV is switched on/switched off with face of switchgear or remote with SPM machine (self-propelled mining machines).

TECHNICAL DATA:

| | |
|--|--|
| ingress protection | IP54 |
| insulation rated voltage of main circuits | 660 V |
| insulation rated voltage of auxiliary circuits | 250 V |
| supply rated voltage | 500V, 50 Hz |
| maximum outlet load current | acc. to Tab.1 |
| number of 500 V outlets | 4 |
| dimensions/weight: | |
| - hanging switchgear | 950 x 1000 x 250mm (H x W x D) /80 kg |
| - "caged" hanging switchgear | 1100 x 1000 x 350mm (H x W x D) /95 kg |

Table 1

| Type of switchgear | Maximum outlet rated current [A] | | | | Rated current of clamps from the supply side (Inz) [A] |
|--------------------|----------------------------------|-----|-----|----|--|
| | outlets | | | | |
| | I | II | III | IV | |
| RKS5-4/1U/P | 40 | 125 | 125 | 40 | 400 |

CONSTRUCTION

The switchgear housing is made of steel sheets. The whole unit is based by a common support frame. The housing is equipped with brackets that allow for the switchgear to be hung on a chain or to be placed directly on the ground.

MODE OF OPERATION

Control of outlets II, III 500V is carried out with the buttons situated on the face of the switchgear. Control of outlets I, IV 500V is carried out with face of switchgear or remote with SPMM machine (self-propelled mining machine).

The switchgear is equipped with power protections against short-circuiting, overloading, low insulation resistance and an increase in earth resistance. The switching on/switching off of the an outlet is carried out with the control button situated on the face of the switchgear or with the emergency off-button.

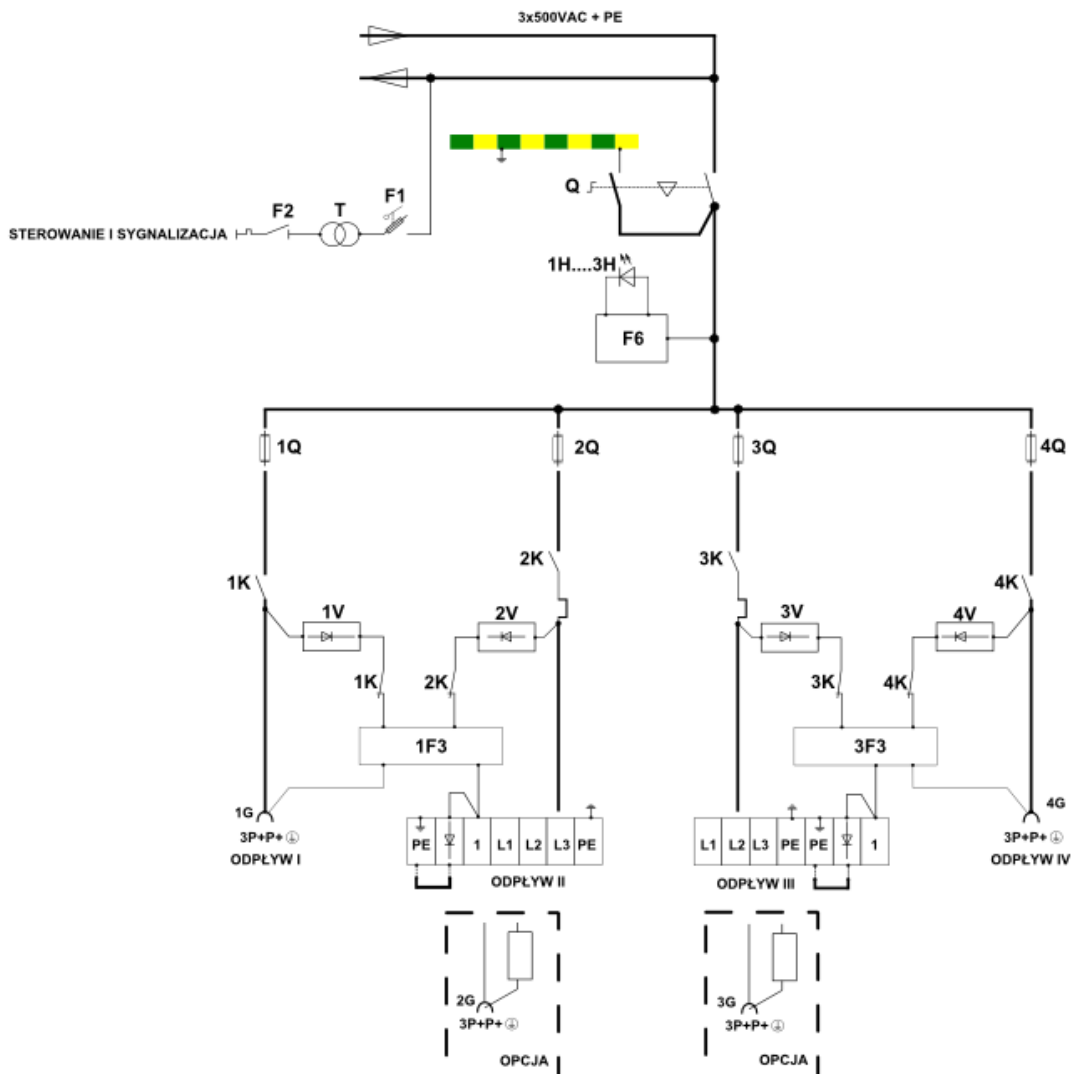
SCHEMATIC DIAGRAM

Legend:

Sterowanie i sygnalizacja - **control and signalization**

Opcja - **option**

Odpytyw I,II,III,IV - **outlet I,II,III,IV**



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

 **Instal-Service PL**

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