

Switchgear type RKS5-4/1

for rated voltage 500V



Switchgear type RKS5-4/1 is an electrical device designed for use in the underground mining pits in non-explosive conditions and on the ground.

Switchgear type RKS5-4/1 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, fans and 500V grid division.

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:	
- „caged” hanging switchgear	1500 x 900 x 370mm (H x W x D)
- hanging switchgear	1400 x 800 x 370mm (H x W x D)
weight	65 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	
RKS5-4/1	115	40	40	115	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 500V is carried out with the buttons situated on the face of the switchgear

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 outlets are carried out with the control button situated on the face of the switchgear or with the emergency off-button.

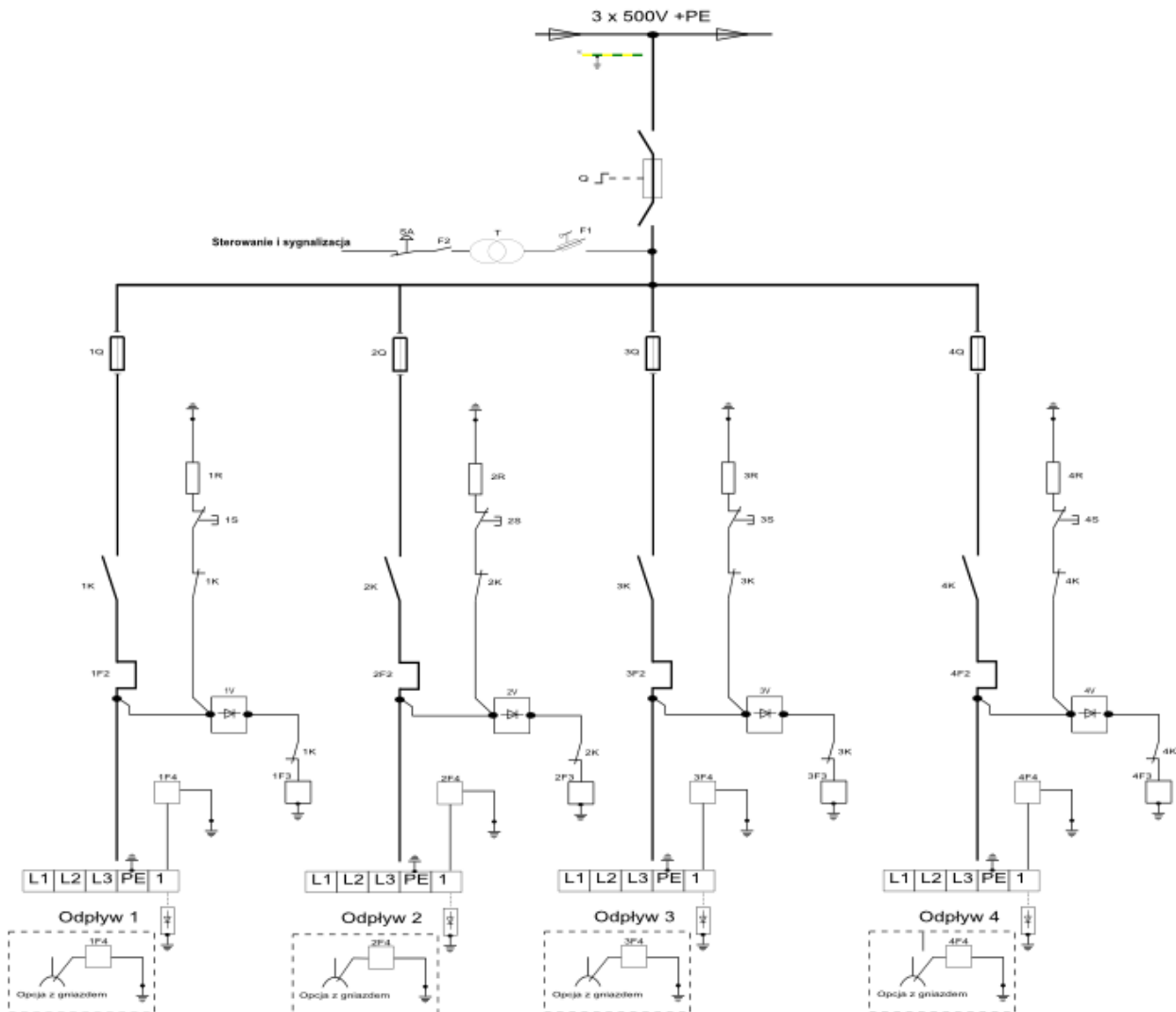
SCHEMATIC DIAGRAM

Legend:

Sterowanie i sygnalizacja – **control and signalization**

Opcja z gniazdem – **option with socket**

Odplyw - **outlet**



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

 **Instal-Service PL**

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