



## Switchgear type RKS5-5/1

for rated voltage of 500V



Switchgear type RKS5-5/1 is an electrical device designed for use in the underground mining pits in non-explosive conditions and on the ground.

Switchgear type RKS5-5/1 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. The switchgear is used for supply: SPMM machine (self-propelled mining machines), fans and welding 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	5
size:	
- hanging switchgear	1200 x 1000 x 330(240) mm (H x W x D)
- "caged" hanging switchgear	1200 x 1000 x 400(300) mm (H x W x D)
weight	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	V	
RKS5-5/1	115	40	40	115	160	400

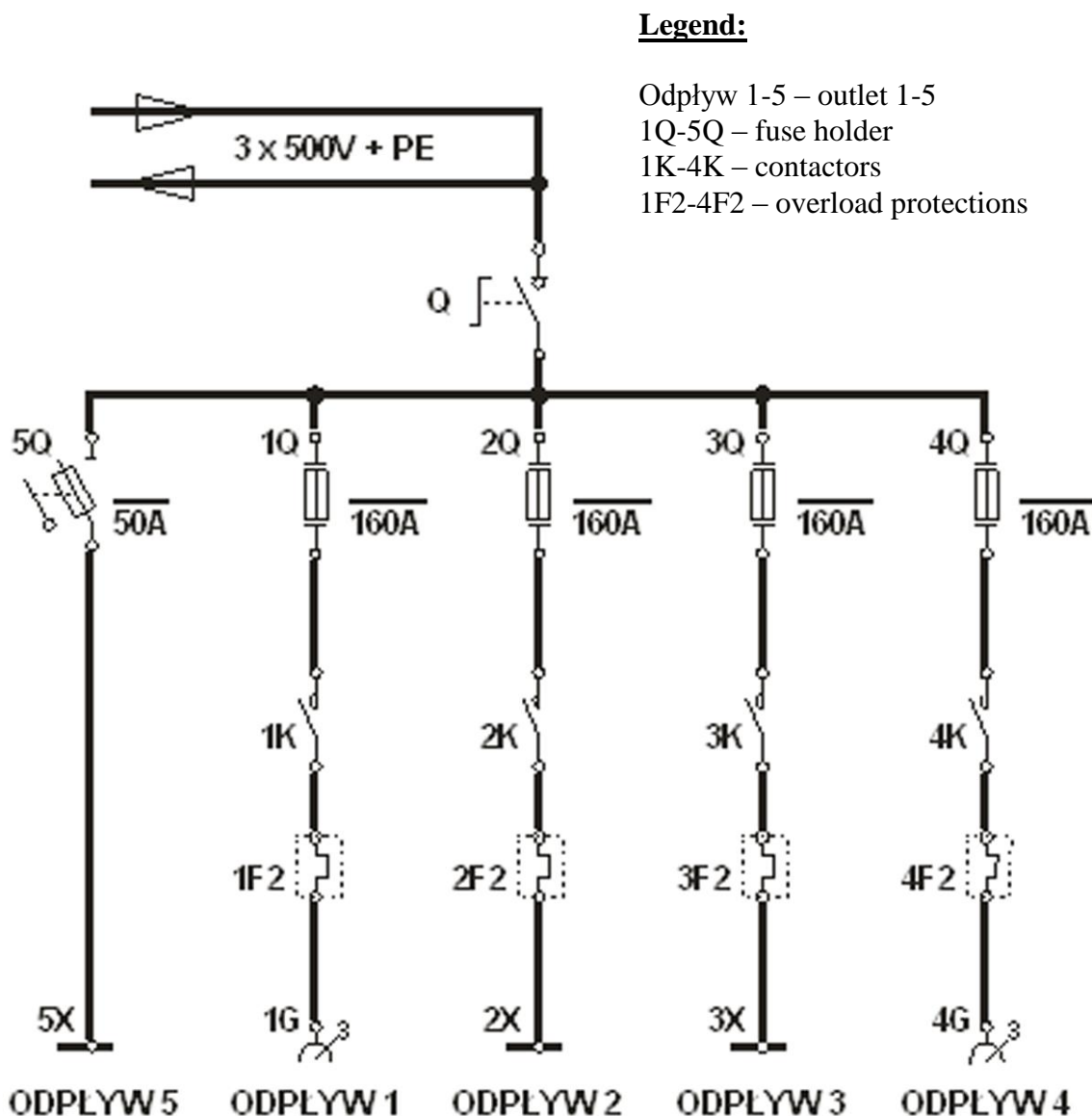
## CONSTRUCTION

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

The control of 500 V outlets 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 outlets is carried out with the control button situated on the face of the switchgear or with the emergency off-button.

## SCHEMATIC DIAGRAM



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

 **Instal-Service PL**

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