



Switchgear type RKS5-230ZE for rated voltage 500V



Switchgear type RKS5-230ZE is an electrical device designed for use in the underground mining pits in non-explosive-methane conditions and on the ground.

Switchgear type RKS5-230ZE is designed for connecting and switching on receivers in the 230V grid (especially frontal welder DELTA 500 V1 with three receivers, heating plate, milling machine, hydraulic control panel) and one receiver with I protection class (for example an electric tool) of rated voltage of 230V.

The switchgear is equipped with power protections against short-circuiting, overloading and lowering insulation resistance.

TECHNICAL DATA:

ingress protection	IP54
supply rated voltage	500V, 50Hz
outlet rated current (Ing) (for the heating plate)	40A
outlet rated current (Inf) (for the milling machine)	10A
outlet rated current (Inh) (for the hydraulic control panel)	6A
number of 230V outlets	4
dimensions	1400 x 1000 x 370mm (height x width x depth)
weight	130kg

CONSTRUCTION

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

MODE OF OPERATION

The outlets 1G-3G (frontal welder) can be turned on only when the power protections (overload, overcurrent, condition of the insulation) are not activated and the emergency button is not pressed. Control of the receiver 4G (electric tool) with a II class protection is carried out by buttons „on/off” located on the face of the switchgear. Pulling the plug from the socket causes turning off the outlets.

SCHEMATIC DIAGRAM

Legend:

Zasilanie 3x500VAC +PE – **power supply**

Wtyczka 125A – **plug 125A**

Odplyw płyta grzewcza – **heating plate outlet**

Odplyw frezarka – **milling machine outlet**

Odplyw centralka hydrauliczna – **hydraulic control panel outlet**

Odplyw elektronarzędzia – **electric tools outlet**

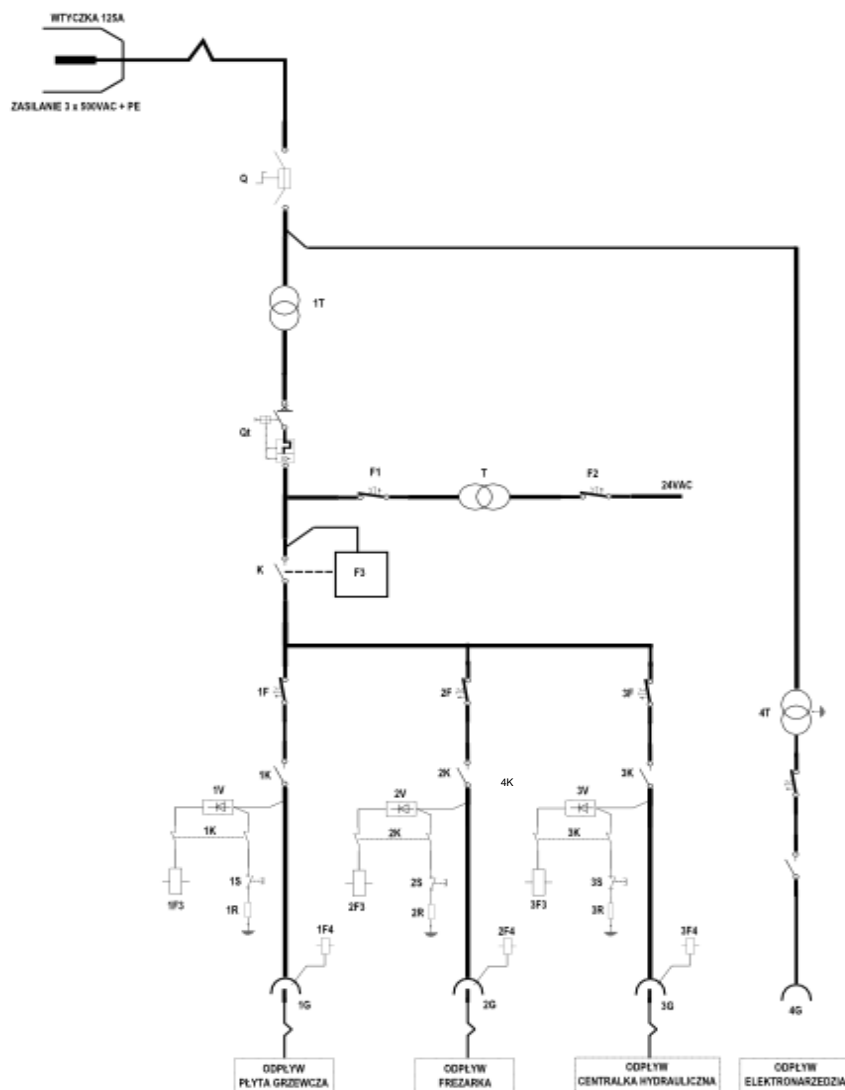
Q - **fuse disconnector**

1T,4T - **transformers**

Qt - **overload protection**

1K-4K - **contactors**

1G-4G - **sockets**



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

 **Instal-Service PL**

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