

Switchgear type KTON-05/24

For rated power 3,2kVA



Switchgear type KTON-05/24 is an electric device designed for use underground mining, in work-pits in non-explosive hazard conditions and on the ground in non-hazardous areas.

Switchgear type KTON-05/24 is designed for connecting and switching on receivers in the 1-phase mine grid with insulated star point on the transformer (system IT) of rated grid voltage of 24VAC.

The device is equipped with power protection against short-circuits, overloads and the lowering of insulation resistance. Switchgear type KTON-05/24 covers capacity of the installed transformer series: 3200 VA, and the rated voltage of transformers type 500/24/24VAC. The primary use of the switchgear type KTON-05/24 is power supply to electrical receivers with rated voltage of 24 VAC.

TECHNICAL DATA:

ingress protection	IP54
rated power	3,2kVA/1,6kVA/1,6kVA
rated voltage of power supply	500VAC
rated voltage of outlets	24VAC/24VAC
rated current of supply power terminal	50A
rated current drain	25A
number of 24V outlets	8
dimensions	1100mm x 700mm x 400 mm (H x W x D)
weight	120kg

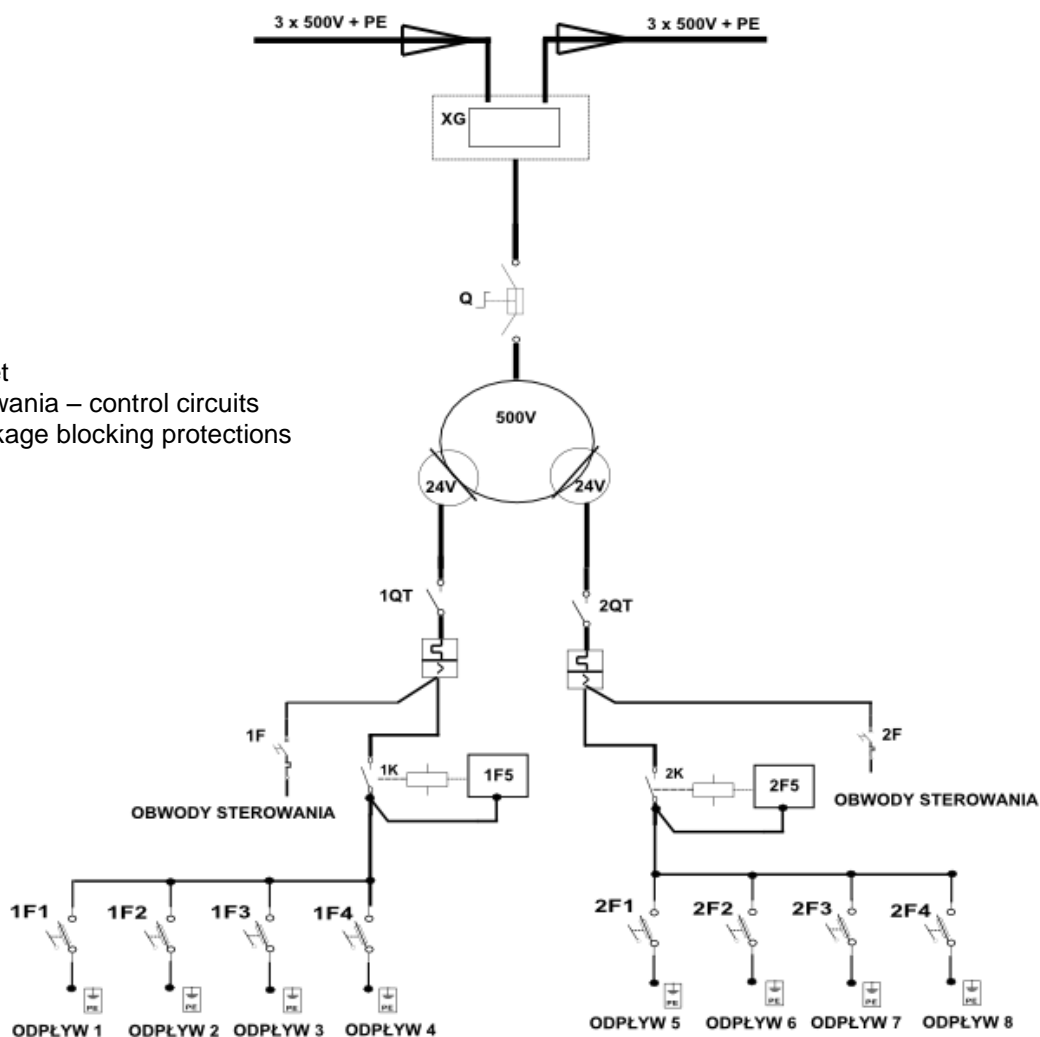
CONSTRUCTION

The switchgear is manufactured from steel sheets with ingress protection IP54. The whole is placed on the common carrier frame. The casing is equipped with brackets allowing for the switchgear to be hung on a chain or to place it directly on the ground.

MODE OF OPERATION

Controlling the 24V outlets is carried out by switches from the switchgear face. If insulation level of 24V outlets is higher than $7k\Omega$ it is possible turning-on outlet. On the 500V side the switchgear has a switch fuse, and on the 24V side switchgear has eight outlets. Each outlet is equipped with switch fuse safety (optional motor protection) safeguarding against short circuits and overloads. Protection against electric shock is realised on the central - leakage protection and a leakage blocking protections.

SCHEMATIC DIAGRAM



Legend:

Odplływ – outlet

Obwody sterowania – control circuits

1F5, 2F5 - leakage blocking protections

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

 **Instal-Service PL**

Spółka z ograniczoną odpowiedzialnością
Spółka komandytowa

58-506 Jelenia Góra, ul. Wrocławska 15a
tel. (+48 075) 64-57-950
fax. (+48 075) 64-57-951
e-mail: instal@instal-service.pl