

Transformer load break switch RG3

APPLICATION

Transformer load break switch RG3 is designed for mining switchgears for voltage up to 7,2 kV. The load break switch is designed to switch on and off the idling currents of transformers built in transformer station used in mining. When open, between the contacts there is visible and safe isolating clearance.



ADVANTAGES

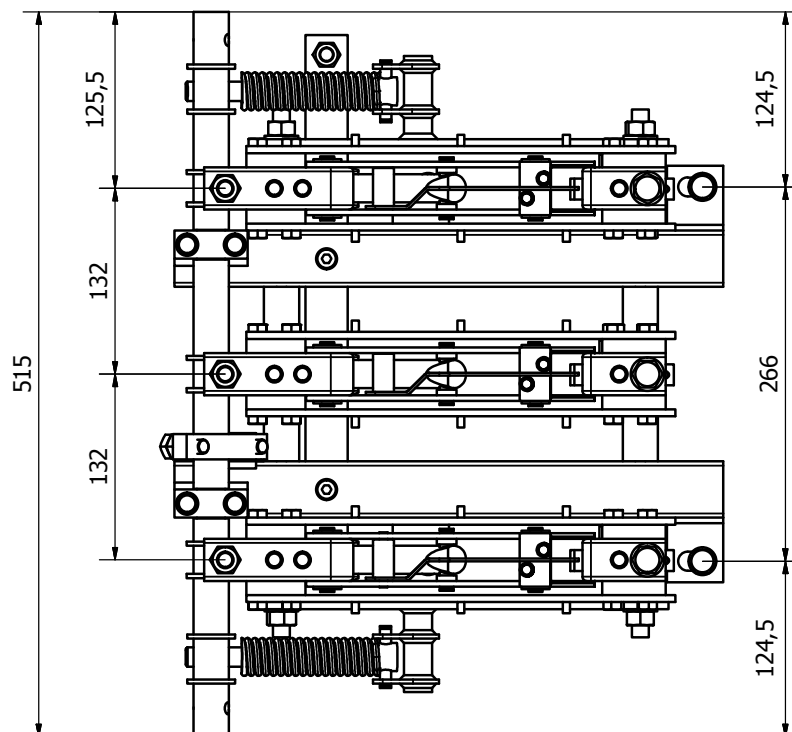
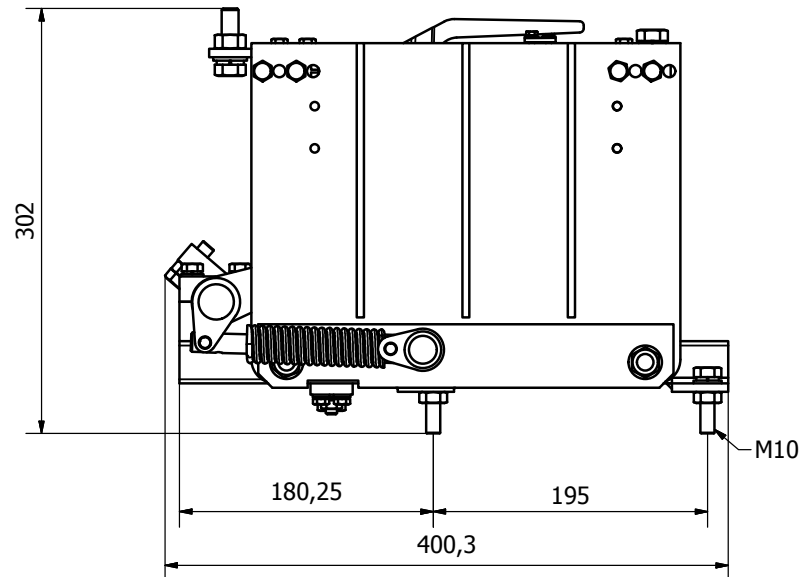
- » can be mounted on either side of the apparatus
- » possibility of installing a drive with a sliding or rotational motion
- » cooperation with manual drive NR1-01 and motor drive NS-EL 30-03
- » replacement for disconnector type RK-3, OKR and EDJAN-562

TECHNICAL DATA

PARAMETER	VALUE
Rated operating voltage	7,2 kV
Rated frequency	50 Hz
Rated continuous current	630 A
Rated switching current of the transformer idle current	5 A
Peak current withstanding	40 kA
Peak current withstanding 1 s.	16 kA
Test voltage (50 Hz) for insulation:	
» to earth and interpolar	» 20 kV
» between the contacts	» 23 kV
Impulse test voltage for insulation:	
» to earth and interpolar	» 60 kV
» between the contacts	» 70 kV
Weight	24 kg
Mechanical durability	2000 cycles

CONSTRUCTION AND OPERATION

The load break switch type RG3 has secant construction. The busbar of the load break switch is fixed to three chamber insulators. Load break switch consists of two permanent contacts (upper and lower), movable contacts and arcing blades. The permanent contacts are supplied with wires and fastened with M12 screws. When the device is opened, the movable contacts fall down and the arcing blades extinguish the electric arc.



Dimensions of load break switch RG3