

# ELGA

YOUR EXPERT IN ELECTRICAL DISTRIBUTION EQUIPMENT



## METAL - CLAD MEDIUM VOLTAGE SWITCHGEAR **USN**

### SAFE

- Fully metal-clad, type tested according IEC
- Make-type earthing switch
- Operation of all switching devices with front door closed
- Complete air insulation of all switchboard live parts
- IP4X degree of protection on the external housing
- Constructed to withstand the overpressures caused by the internal arc
- Medium voltage circuit segregation shutters activated automatically by circuit breaker movement inside the compartment

### ECONOMICAL

- Maintenance free vacuum circuit-breakers from different suppliers
- Easy circuit-breaker replacement due to withdrawable circuit-breaker units
- The torsionally rigid housing with very high corrosion resistance



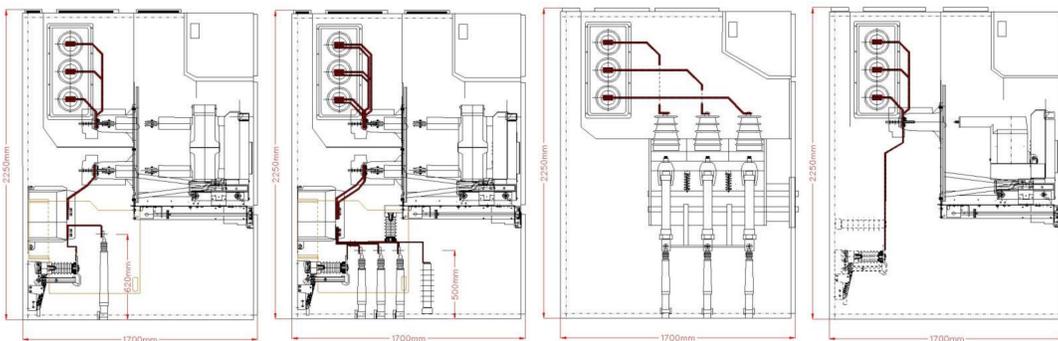
### TECHNICAL DATA

Rated insulation voltage	U, kV	12	17,5	24
Test voltage (50-60) Hz, 1 min	$U_{(1 \text{ min})}$ , kV	28(42)	38(42)	50
Impulse withstand voltage (1,2-50) $\mu$ s	U, kV	75	95	125
Rated main busbar current	$I_n$ , A	630	630	630
		4000	2500	2500
Rated short time withstand current	$I_{cw(3s)}$ , kA	16	16	16
		50	31,5	25
		125	80	63
Peak current	$I_{cm}$ , kA	40	40	40
		125	80	63
		125	80	63

### FLEXIBLE

- Reduced overall dimensions
- Connection facilities for up to 6 cables per phase
- One side maintenance
- Possibility of constructing different versions and easy extension of existing switchboards
- Possibility of being placed against the wall (one side operation)
- Simple inspection and maintenance, thanks to easy access to the apparatus in the various compartments through doors or easily removable panels and to the possibility of isolating and removing the circuit breaker
- Circuit breaker compartment constructed to house draw-out vacuum circuit breakers from different suppliers:

### SWITCHGEAR LAYOUT 24kV



**NXACT / SION**  
from Siemens



**VD4**  
from ABB



**VEIVACUUM F**  
from VEI



**ISM/TEL / SHELL**  
from Tavrída Electric



**EVOLIS / LF**  
from Schneider Electric



**HVX**  
from AREVA