

Combined (Fixed) AC Metal-clad Switchgear Type - XGT1(XGN59)-40.5

General :

XGN1(XGN59)-40.5 Combined Fixed AC Metal-clad Switchgear is an indoor switchgear with 40.5kV rated voltage and three-phase AC 50 HZ for power transmission and distribution and it has the function of controlling, protecting and inspecting the circuit. Also it can be used in places for frequent operations and its busbar is sing busbar system.



Product features:

a. Novel structure, small size:

The main switch and disconnector of the products are carefully designed, the integral layout is smart, novel and compact. The circuit breaker uses integration ZN12 vacuum circuit breaker. The up disconnector is mounted at 45 incline angle and down disconnector is mounted upside down.

b. It is easy and labour-saving to operate:

This diconnector used in the product is a new type disconnector designed by ourselves. The activity contact is with duck mouth structure. Besides, the static contact is swinging multi-contacts type. The static contacts are featured by good contact, low wear, large size of heat emission, small operating torque. At the same time, the operating mechanism is fitted on the left side of the cubicle and the height above the ground is reasonable and it is convenient for the worker of normal height to operate.

c. Interlock is simple but reliable:

The disconnector fitted in the switchgear has a manual-drive mechanism, which are well satisfied with the "operation-interlock-self locking" requirement of disconnector and earthing switch fitted in the fixed switchgear. At the same time, it realized mandatory mechanical latching. Electricity display device can be mounted in the front of the switchgear. The electromagnetic lock can be mounted at the back of the switchgear and then it can lock the back door.

d. Convenient maintenance:

There are enough space for examining and repairing the interior elements.

Technical parameter :

Item	Unit	Parameter	
Rated voltage	kV	40.5	
Rated frequency	Hz	50	
Rated current	A	1250 1600	
Rated short circuit breaking current	kA	25 31.5	
Rated making current (peak value)	kA	63 80	
4s short-time withstand current	kA	25 31.5	
Rated peak withstand current (peak value)	kA	63 80	
Rated insulation level	1min power frequency withstand voltage (r.m.s) (phase to phase, phase to earth)	kV	95
	Rated lightning impulse withstand voltage (peak value)	kV	185
	1min power frequency withstand voltage (r.m.s) of isolating distance	kV	115
	Lightning impulse withstand voltage of isolating distance (peak value)	kV	215
Protection degree of enclosure		IP3X	
Dimension (width*depth*height) note: including the size of closing board	mm	1818x2860x2925 1818x3610x2925 (aerial scheme)	

Ordering notice:

Please provide the following data:

- Please indicate primary main wiring system diagram, layout plan, principle diagram of secondary circuit and terminal pareto diagram.
- Type, specification, quantity and technical parameter of primary component and secondary component of switchgear.
- Please indicate the enclosure colour, if not, up to manufacturer's standards.
- Please indicate if switchgear shall be used in special condition before ordering.
- Please negotiate with us if necessary.