XGN17-40.5 Indoor AC Box Type Fixed High Voltage Switchgear

XGN17-40.5 indoor AC box type fixed high voltage switchgear is a three-phase AC frequency 50HZ, rated voltage 40.5KV indoor device, can be used for industrial and mining enterprises, power plants and substations for the control and protection of electrical facilities, also suitable for frequent operation of the device.

The switchgear has a series of advantages such as large space inside the cabinet, beautiful appearance, complete functional units, easy installation and commissioning, safe and reliable mechanical interlock, etc. High-voltage switchgear can be equipped with AAB, Siemens, Schneider and other models of vacuum and SF6 circuit breakers.
Part I: Conditions of Use

1. Ambient temperature: the upper limit +40°C, and the average measured within 24 hours does not exceed 35°C, the lower limit is -10°C.
2. Altitude: altitude not exceeding 1000m
3. Relative humidity: daily average not more than 95%, monthly average not more than 90%.
4. Seismic intensity: not more than 8 degrees
5. Water vapor pressure: daily average value not more than 2.2kPa, monthly average value more than 90%.
6. Use environment: No fire, explosion hazard, serious dirt, chemical corrosion and violent vibration places.

Beyond the above normal use conditions, the user can consult with us to determine.

Part II:
Part III: Switchgear Structure Diagram

1. Circuit breaker, main busbar and terminal room
2. Main Busbar Disconnect Switches
3. Current Transformer
4. Current Transformer
5. Bypass Busbar Disconnect Switches
6. Line Disconnect Switches
7. Bypass Busbar Room
8. Application plate
9. Left operating panel
10. Lower left small door
11. Analog busbar rel
12. Nameplate
13. Vacuum breaker
14. R-C type overcharge absorber

Part IV: Main Technical Data

XGN17-40.5 indoor AC box type fixed high voltage switchgear

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Project Name</th>
<th>Unit</th>
<th>Data</th>
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<tbody>
<tr>
<td>1</td>
<td>Rated Voltage</td>
<td>kV</td>
<td>40.5</td>
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<tr>
<td>2</td>
<td>Maximum Rated Current</td>
<td>A</td>
<td>3,000</td>
</tr>
<tr>
<td>3</td>
<td>Rated Breaking Current</td>
<td>kA</td>
<td>35 / 31.5</td>
</tr>
<tr>
<td>4</td>
<td>Rated Breaking Current Peak Value</td>
<td>kA</td>
<td>63 / 80</td>
</tr>
<tr>
<td>5</td>
<td>Limiting Through Current Peak Value</td>
<td>kA</td>
<td>63 / 80</td>
</tr>
<tr>
<td>6</td>
<td>40 Thermal Stability Current Effective Value</td>
<td>kA</td>
<td>25 / 31.5</td>
</tr>
<tr>
<td>7</td>
<td>Rated Insulation Level</td>
<td>kV</td>
<td>55</td>
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<tr>
<td></td>
<td>Lightning Impulse withstand Voltage (Peak Value)</td>
<td>kV</td>
<td>105</td>
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<td></td>
<td>ISOLATION FRACTION 1.1 (Peak Frequency Withstand Voltage)</td>
<td>kV</td>
<td>110</td>
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<tr>
<td></td>
<td>ISOLATION FRACTION 1.1 (Peak Frequency Withstand Voltage)</td>
<td>kV</td>
<td>215</td>
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<tr>
<td>8</td>
<td>Boundary Dimension (W x D x H)</td>
<td>mm</td>
<td>1950 x 3250 x 3125</td>
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<tr>
<td>9</td>
<td>Level of Protection</td>
<td></td>
<td>FPK</td>
</tr>
<tr>
<td>10</td>
<td>Weight</td>
<td>kg</td>
<td>≤1500</td>
</tr>
</tbody>
</table>
Part V: Factory Tour
Part VI: Customized Switchgear Service

We can customize the components in the switchgear according to your needs, and recommend the use of international first-line brands such as ABB, Schneider, Siemens, etc.

Part VII: Application

Widely used in urban power grid transformation, residential communities, high-rise buildings, industrial mines, hotels, shopping malls, airports, railways, oilfields, docks, highways and temporary power facilities and other indoor and outdoor places.
Part VIII: Transaction process & Shipment

- **Consultation**: Introduce the feature of products resolving customer problems.
- **Quotation**: Negotiation on price & payment terms & delivery.
- **Contract**: Confirm related information & signing contract.
- **Pay**: Pay under the contract agreement.
- **Delivery**: After the goods have passed inspection, contact the freight forwarder.
- **Service**: Provide professional solutions, 24/7 hours service for you.

[Map and logistics companies logos]
Part IX: Service Guarantee

- Quickly and professional response;
- Excellent quality with reasonable price;
- Sufficient support for our tendering representatives;
- OEM service available based on official & legal authorization;
- Strict quality control system;
- Faster lead time than our competitors;

Part X: FAQ

Q1: When can I get the price?
We usually quote within 6 hours after we get your inquiry. If you are very urgent to get the price, please call us or tell us in your email so that we will regard your inquiry priority.

Q2: Can you customize the product according to the size I need?
Yes, our factory has a professional team of engineers, we can completely design and develop products for you according to the detailed technical parameters and specifications you require.

Q3: What is the quality of your products?
Quality is our corporate culture, we regard product quality as life of our company. We have achieved a lot of certifications to meet customs requirements. We can control all process of production 100% and every single product will be tested qualified before shipping.

Q4: When can delivery from ordering?
The delivery time depend on the quantity you ordered, generally about 15-25 days after deposit of payment.

Q5: What are your terms of payment?
30% in advance 70% before shipment We can pay by TT/ LC.

Q6: How long is the warranty of your product?
Our warranty period is usually three years,. But the warranty period can be extended after discussion and agreement.