

Nissin Electric Receives an Order from State Grid Corporation of China for Oil-insulated Shunt Reactors for the First Time —An Opportunity to Capture Growing Demand in China

Nissin Electric (Wuxi) Co., Ltd., an overseas subsidiary company of Nissin Electric Co., Ltd. has received an order from the State Grid Corporation of China, the largest electric power company in China, for four units of oil-insulated shunt reactors (three phase, 50Hz, 35 kV, 60 Mvar) for the first time. The products will be delivered in October 2020 and go into operation in November 2020.

In China, dry-type coreless shunt reactors are commonly used. However, with the rapid development of the country's power grid, demand for oil-insulated shunt reactors is growing due to their higher reliability. Since 1960, when Nissin Electric started the production of oil-insulated shunt reactors, the company has firmly maintained the top market share of these products in Japan, boasting a cumulative market share of 50% or higher as well as technical expertise accumulated over the years. In addition, Nissin Electric has exported a total of 119 oil-insulated shunt reactor units to China since 1987, and they are all still in good working condition. For this reason, oil-insulated shunt reactors manufactured by Nissin Electric are highly regarded in the country. Furthermore, in 2015, NW started local production and sales of shunt reactors in China, and the products have consequently spread to provincial areas and the private sector. In December 2018, the products were rated as "the highest-level products in China" by the approval expert committee of the double certification system (approval by the machinery industry and the electric power industry in China.) With this confirmation of their high reliability, the products were recently selected by the State Grid Corporation of China through a centralized tender for the first time.

In China, the current annual procurement quantity of oil-insulated shunt reactors is about 200 units, including new installation and the replacement of dry-type coreless shunt reactors. Taking this opportunity, the Nissin Electric Group will accommodate growing demand in China to contribute to improving the reliability of the country's power grid.



Oil-insulated shunt reactor (three phase, 50Hz, 35 kV, 60 Mvar) tested for double certification in December 2018