

Global Parts Services

for High-Voltage AIS

- Disconnectors



[siemens-energy.com/gt-service](https://www.siemens-energy.com/gt-service)

Introduction

Operational availability of high-voltage switchgears is key to a reliable supply of electrical energy. This is vital to our modern societies and their industrial sectors. The revenue streams of our customers are highly dependent on their uninterrupted energy supply capabilities. Any outage time caused by unexpected failures needs to be minimized to keep outage costs as well as reputational damage to an absolute minimum.

Our Global Parts Service ensures the supply of service parts for Siemens Energy AIS disconnectors which are required during their asset lifetime.

The service includes the provision of parts for:

- Planned maintenance measures i.e., “preventive maintenance parts” as well as parts for
- Unplanned maintenance measures i.e., “corrective maintenance parts” or for safety stock of “operational” and “strategic” spares

The available spare types range from:

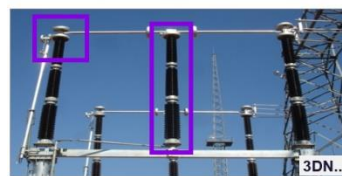
- Major functional components, to
- Single units or parts



e.g. Center Break type



Single spare units or parts e.g., contact fingers, terminal connectors and flexibles



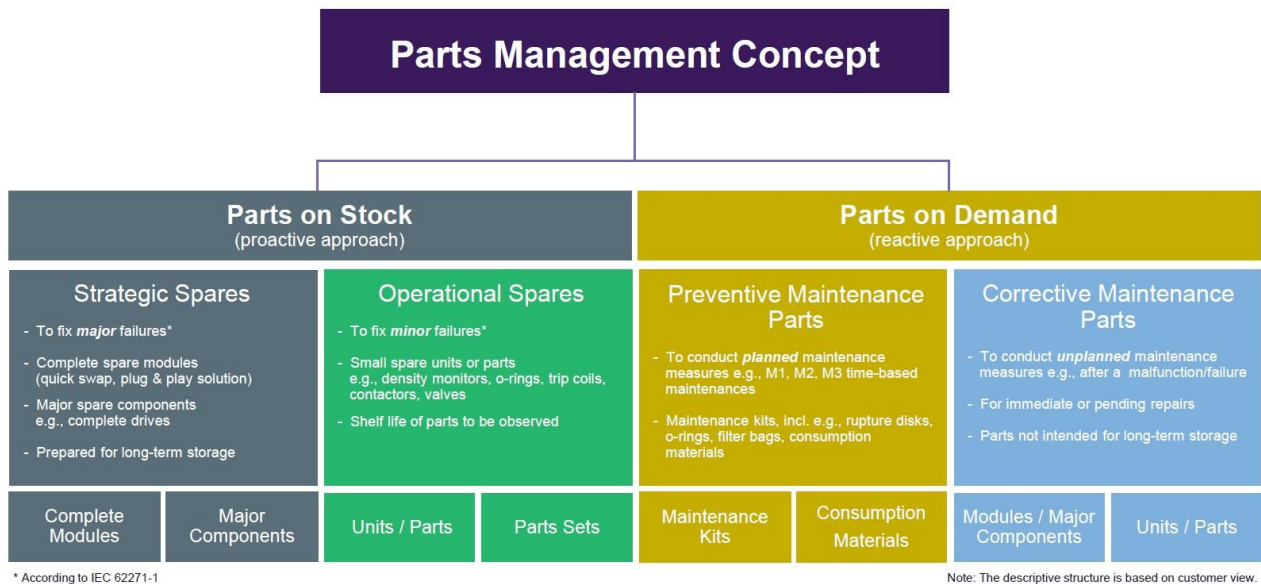
e.g. Double Side Break type



e.g. Pantograph type

Major functional spare components e.g., contact systems, operating mechanisms, insulators

All spares are supplied in high quality and with Siemens Energy material warranty. For all maintenance or repair work we offer the fastest possible solution with our certified service experts.



Parts Management Concept

The parts management concept serves as guideline for the classification, description, and handling of parts, relevant during the service life of switchgears. Customers benefit most if all part categories are utilized.

- Parts on Stock - Proactive approach
 - Carefully selected "operational" and "strategic" spare parts kept in stock as a precautionary measure for anticipated, unplanned service events. These parts ensure immediate response to a malfunction or failure and help to maintain the highest level of operational readiness. They are an essential element for customers who want to keep downtime to a minimum.
- Parts on Demand - Reactive approach
 - Parts usually required and procured after a concrete trigger indicates the need for them. This may either be a planned maintenance with "preventive maintenance parts" e.g., after reaching a certain operation time interval of the Disconnecter, or an unexpected faulty condition requiring "corrective maintenance parts" for repair.

Strategic Spares

These spares which are kept in stock as a precaution, are utilized to fix major failures (acc. IEC 62271-1 definition) causing a prolonged interruption of power service of the whole switchgear bay. They are primarily major functional components which facilitate a quick swap of the faulty component to restore operational readiness as quickly as possible.

Operational Spares

These spares which are kept in stock as a precaution, are utilized to fix minor failures (acc. IEC 62271-1 definition), typically used for non-critical failure repairs, mostly with single spare units or parts sets.

Preventive Maintenance Parts

These parts also including consumption material are utilized during planned service measures, acc. to OEM recommendations. The procurement of preventive maintenance parts is

typically coordinated together with the planned service measure.

Corrective Maintenance Parts

These parts are used for unplanned service measures e.g., imminent or pending repairs, following an unexpected malfunction or failure. The definition of required parts and their procurement is carried out in direct context of the service measure.

Our Offer

To protect our customers against operational and financial risks resulting from potential malfunctions or failures of their high-voltage switchgears, Siemens Energy's Global Parts Service stands ready to provide just the right parts quickly and wherever needed. Our services include:

- Reliable availability of (spare) parts for Siemens Energy AIS required during their asset lifetime
- Worldwide supply of parts ensured by our global logistics network
- Short response times to enquiries ensured by our 24/7 Customer Support Center
- Individual spares solutions supported by our spares consulting services:
 - "Smart Spares Consulting" for a tailored, cost-, risk- & utilization-optimized recommendation of new strategic spares
 - "SparesVentory" to make the most out of already existing spares in stock e.g., operational readiness check of spares, interchangeability checks, value preservation recommendations

In addition, other available asset services such as maintenance, repair & retrofit as well as emergency services, or modernization & upgrades play perfectly together with the Global Parts Service and help to secure the reliable operation of our customer's switchgears.

► **Make use of it!**

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Grid Technologies Service
Humboldtstraße 64

90459 Nuremberg, Germany

Customer Support Center
Phone: +49 911 6505 6505
E-Mail: support@siemens-energy.com

For more information, please visit our website:
[siemens-energy.com/gt-service](https://www.siemens-energy.com/gt-service)

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