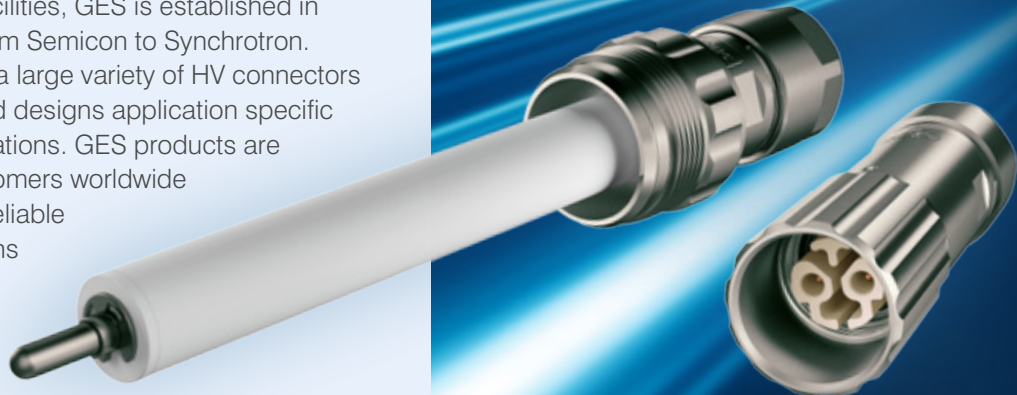


# Favored for sensitive applications in **industry** and **science**



## About GES

GES High Voltage is a manufacturer of premium high voltage connectors located near New York/USA and Munich/Germany (HQ). Transmitting voltages up to 100 kV DC in precision equipment and facilities, GES is established in high-technology markets from Semicon to Synchrotron. GES High Voltage provides a large variety of HV connectors in diverse configurations and designs application specific customizations and modifications. GES products are favored by demanding customers worldwide and are deemed as highly reliable and well-engineered solutions for sensitive applications in industry and science.



## High Voltage Technology

- HV Power Supplies
- HV Generators
- HV Amplifiers
- HV Ballasts
- HV Metrology
- HV Systems

## Semiconductors & Microelectronics

- RIE / FIB Processing
- EUV-Lithography
- Plasma Etching

## Analysis & Inspection

- Electron Microscopy
- X-ray Spectroscopy
- Mass Spectrometry

## Medical & Biotechnology

- Radiation Sterilization
- Radiology, Fluoroscopy
- Electrophoresis

## Surface & Material Processing

- Ebeam / UV Processing
- Induction, Diffusion
- Testing, Charging

## Particle & Nuclear Physics

- Accelerators, Synchrotrons
- Magnetrons, Klystrons
- CR / TWT-Tubes

# Product Overview

## High Voltage Connectors

### Single pin high voltage connectors



|                                              | S Series    | 100 Series |
|----------------------------------------------|-------------|------------|
| Max. operating voltage DC                    | 40 kV       | 100 kV     |
| Operating current                            | 30 A        | 30 / 80 A  |
| Max. diameter of dielectric cable insulation | 5.0 mm      | 10.0 mm    |
| Max. jacket diameter of cable                | 6.5 mm      | 14.0 mm    |
| Wire sizes                                   | AWG 22 – 14 | AWG 22 – 8 |

### Variable full plastic high voltage connectors



|                                              | VarioPro CL | VarioPro Basic |
|----------------------------------------------|-------------|----------------|
| Max. operating voltage DC                    | 13 kV       | 8 kV           |
| Operating current                            | 13 A        | 13 A           |
| Number of poles                              | 1 – 3       | 1 – 2          |
| Max. diameter of dielectric cable insulation | 4.2 mm      | 4.2 mm         |
| Wire sizes                                   | AWG 26 – 14 | AWG 26 – 14    |

### Multi pin circular high voltage connectors



|                                              | Series MCS  | Series MC   | Series M    |
|----------------------------------------------|-------------|-------------|-------------|
| Max. operating voltage (DC)                  | 5 kV        | 15 kV       | 12 kV       |
| Operating current                            | 4.5 A       | 13 A        | 30 A        |
| Number of pins                               | 2 – 6       | 2 – 5       | 2 – 9       |
| Max. diameter of dielectric cable insulation | 1.6 mm      | 4.0 mm      | 7.0 mm      |
| Wire sizes                                   | AWG 26 – 22 | AWG 26 – 14 | AWG 22 – 14 |

### Multi pin modular connectors



|                                              | MOD-HP      | MOD-T       |
|----------------------------------------------|-------------|-------------|
| Max. operating voltage (DC)                  | 12 kV       | 12 kV       |
| Operating current                            | 25 A        | 30 A        |
| Number of pins                               | 2 – 14      | 2 – 14      |
| Max. diameter of dielectric cable insulation | 6.2 mm      | 7.0 mm      |
| Wire sizes                                   | AWG 20 – 12 | AWG 22 – 14 |