

# ATLV MaxSG Bus design

### Bus Design

All horizontal and vertical bus are rated for ANSI and UL standard temperature rise requirements of maximum 65°C rise over an ambient temperature of 40°C.

### Bus Insulation Systems

Bare bus is provided as standard in all MaxSG switchgear. The configuration provides horizontal isolation barriers at all tiebreakers for added protection in the event of a fault. An insulated bus system that completely insulates the bus with thermo-contractile flame resistant tubing is also available. At connection joints an adhesive coated low voltage tape or optional flexible boots are supplied for customer inspection and maintenance.

### Bus Bracing

Steel supported polyester type fingerplates provide bus bracing. Bus bracing is available from 50kA to 125kA symmetrical ratings.

### Rear Barriers

Steel main bus barriers are available to completely isolate the rear cable compartment area from the main bus for added personnel safety. Steel inter-compartment barriers are also available to isolate each vertical section.

### Silver Plated Bus (Standard)

All bus is copper with a silver plated surface. Tin plated bus is offered as an option.

### Ground Bus

A ground bus is supplied over the entire length of the switchgear and is conveniently located for customer connections.



MaxSG main bus designed with the end user in mind.



Optional rear main bus barriers, providing a completely isolated cable compartment.

