



**Systems**  
Panels  
Motor control centers  
Distribution systems



### Description

The Modular New System (MNS) offers the user many alternative solutions and notable advantages in comparison with conventional-type installations:

- Compact, space saving design
- Back-to-back arrangement
- Economic energy distribution in the cubicles
- Easy project and detail engineering through standardized components
- Comprehensive range of standardized types
- Various design levels depending on operating and environmental conditions
- Easy combination of the different equipment systems, such as fixed and withdrawable modules in a single cubicle
- Arc-proof design possible (standard design with fixed module design)
- Earthquake, vibration and shock proof design is possible
- Easy assembly without special tools
- Easy conversion and retrofit
- Largely maintenance-free
- High operational reliability and availability

- Optimum personal protection

### Applications

MNS systems are suitable for applications in all fields concerning distribution and use of electrical energy:

- Main and sub-distribution boards for energy
- Motor current supply of motor control centers
- Electronic cabinets for open and closed-loop control purposes
- For use in:
  - Utility companies
  - Power plants
  - Oil refineries
  - Off-shore drilling platforms
  - Ships
  - Production facilities
  - Sewage management
  - Buildings for other than dwelling purposes

### Standards

Type tested switchgear assemblies (TTA)  
IEC 439-1; EN 60-439; DIN VDE 0660, part 500;  
BS 5486, UTE 63-412

### Test certificates

- Germanischer Lloyd, Hamburg (shipping)
- ASTA; Great-Britain (resist. to accidental arcs according to IEC 1641, VDE 0660 part 508)
- Federal Ministry for Regional Planning
- Building and Urban Development, Bonn (shelters)
- DRL German Research Institute for Aerospace e.V., Jülich, Earthquake Test for Security Areas in Nuclear Power Stations

Contact factory for more information.