MNS Select

The apparatus cabinet that grows to meet demands

ABB LV Systems
MNS Select is ABB’s new apparatus cabinet

MNS Select is suitable not only for enclosing simple distribution equipment, but also for sophisticated electronic, relay and control systems. The construction principle is very flexible and provides many opportunities for variations. MNS Select will grow to meet demands.

An environmentally friendly cabinet
The MNS Select cabinet has been developed to fulfil the environmental requirements of today and tomorrow. It is built from Aluzink and zinc-coated sheet steel, easy to recycle. Painted parts are made of pre-finished sheet. The cabinet is designed for minimised material needs, which also means low weight. The bolted assembly system facilitates recycling.

Since the cabinet is delivered ready-assembled, very little packaging material is needed.

EMC-adapted
EMC (electromagnetic compatibility) implies that two or more systems can work on the same premises without disturbing each other or themselves by generating electromagnetic waves.

MNS Select is designed to screen effectively against most types of electromagnetic waves.

A choice of designs
The external dimensions of the cabinet can be selected in a variety of height, width and depth combinations, which makes it easy to find the appropriate cabinet size for every application.

The doors open to 180° and are available for both front and rear mounting. There are also double doors for front and rear.

MNS Select can be given eight different mounting planes. The open, bolted construction simplifies the assembly of equipment in the cabinet. Having sheet steel edges bent back double in the mounting spaces minimises the risk of cuts to hands.

Short delivery time
With the help of the Windows-based PC program ProSelect it is easy for the user to rapidly design a truly customised MNS Select cabinet.

The cabinet is supplied complete, with just a short delivery time.
An MNS Select cabinet with double front doors.

The unique locking mechanism provides very stable and strong locking of the hinged frame.

The cabinet is designed to provide a good environment from the EMC point of view.

The MNS Select application with protective and control equipment for electric power distribution.
Technical data

Materials
Aluzink sheet 1.5 - 2 mm
Zinc-coated sheet steel over 2 mm

Standard colour on painted surfaces
RAL 7035 structure

Dimensions
Height 1900, 2000, 2100, 2200 mm
Width 600, 700, 800, 900, 1000 mm
Depth 400, 500, 600, 800 mm

Mounting plane
19” and 24” standard as per IEC 297

Ambient conditions
As per IEC 439-1

Enclosure classes
IP 21, IP 41, IP 43, IP 54 as per IEC 529

Sinusoidal vibration test
As per IEC 68-2-6 Test Fc

Seismic test
As per IEEE 693 draft 5

Damping properties
The cabinet’s damping properties are verified at ABB Industrial Systems, EMC Test Center, Västerås, Sweden, in the frequency range determined by the generic European standard EN 55011.

Quality assurance
As per ISO 9001