GENERAL CONDITION

The FLUOKIT M24+ range is a set of prefabricated MV distribution cubicles designed for indoor use. It includes all basic cubicles used to design MV modular switchboards from rated 3.3 kV up to 24 kV.

The FLUOKIT M24+ cubicles satisfy the definitions of the Metal-enclosed and compartment switchgear according to the **IEC 62271-200 Standard**.

Construction specifications used for design of the cubicles guarantee that installations are protected at the highest safety level:
- Internal arc containment;
- All metal design for permanent earthing continuity;
- Operator protection against internal faults by installation of a hot gases duct;
- Use of galvanized plates giving very high resistance to corrosion.

The FLUOKIT M24+ cubicle is divided into separate compartments as follows:
- Control and monitoring compartment
- Busbar compartment
- Breaking and isolating switchgear compartment
- Cable compartment
- **Earthing switch position directly visible**

Electrical Characteristic

MV Network

Rated voltage	:	**24**	kV
Service voltage	:	**20**	kV
Frequency	:	**50**	Hz
Rated power frequency voltage: 50Hz/1 min.:		**50**	kV rms
Rated impulse withstand voltage: 1.2/50 us	:	**125**	kV peak
Rated short-time current	:	**16**	kA/1s
Busbar Rated current	:	**630**	A
Degree of protection	:	**IP 3X**	