

GEIS



MLS Low Voltage Switchgear

MLS low-voltage switchgear assemblies are FBA low-voltage switchgear made of standardized modules. They are suitable for use in power supply/distribution system of 50 (60)Hz AC electricity with rated operational voltage $\leq 690V$ and rated operational current up to 6300A for such purposes as power distribution, conversion, control and reactive compensation.

The product is compliant with IEC 61439-2 standards.



GEIS Electric

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- **Power Center**
Main incoming cabinet of modular design with rated current up to 6300A
- **Motor control center**
Available in the forms of plug-in and withdrawable units for use in feeder and motor control loop
- **Components**
M-PACT Plus and M-PACT Air Circuit Breakers, up to 6400A, 150kA
MM/MC9 and RC+ series Molded Case Circuit Breaker, up to 1600A, 150kA
- **PMSky SCADA system**
Whole electrical parameter monitoring, intelligent energy management, remote control
- **Structure**
The hinges of door panel have an opening angle of at least 120°
IP rating can be IP30, IP40, IP31, IP41, IP42, IP55
- **Safety and Reliability**
Internal safety barriers separate the busbar compartment from the equipment compartment, the compartment can be up to Form 4b

Key electrical performance

Rated operating voltage V	Main circuit	≤ AC 690V
	Auxiliary circuit	≤ AC 380V, ≤ DC220V
Rated insulation voltage V	Main circuit	≤ AC 1000V
Rated impulse withstand voltage (1.2/50 s) kV	Main circuit	8, 12
Rated operating current (IP4X)* A	Main busbar	≤ 6300, ≤ 3600 (MLS double-sided cabinet)
	Vertical busbar	790, 1000, 1250, 1600 (withdrawable), 2500 (plug-in MCCB)
Rated short time withstand current kA/2 s ec	Main busbar	50, 65, 80, 100
	Vertical busbar	50, 65, 80, 90
Rated peak withstand current kA/0.1sec	Main busbar	105, 143, 176, 220
	Vertical busbar	105, 143, 176, 198