



DISCOVERY

EVERYTHING FOR INDUSTRY & SERVICES



Low & Medium Voltage Switchgear Equipments

Primary & Secondary Switchgear Equipments

Circuit Breakers

M.V. SF6 Gas Insulated Circuit Breaker

SF6 switchgear is thus capable of meeting the most demanding requirements of public and industrial distribution networks worldwide, up to 40.5 kV. The mechanical and electrical endurance of Our SF6 switchgear is far above that recommended by the IEC. This equipment meets the needs of power networks, even those operating under the most severe conditions.

The electrical contacts, housed in a sealed-for-life enclosure, require no special maintenance. The operating mechanism requires only minimum maintenance at intervals depending on the conditions of use. Under normal operating conditions, no preventive maintenance is required before 10 000 operations or 10 years of service.

The seal and the for-life lubrication of the rotary seals is provided by an oil film. In the MV circuit breaker field, for example, on more than 20 000 SF6 switchgear units installed by the European Electrical utility (EDF), the annual fault rate related to seal problems is less than 0.05 %.



M.V. Vacuum Interrupter Type Circuit Breaker

- Rated voltages 12 to 36 kV
- Maintenance-free up to 10,000 operating cycles
- Mechanical breaker service life 10,000 operating cycles
- Rated short-circuit breaking currents up to 31.5 kA (r.m.s.value), minimum 25 operating cycles
- DC component 36%, higher values on request
- Values of transient recovery voltage acc. to IEC 62 271-100, other values on request
- Upright installation
- User configurable secondary equipment
- Optimum replacement for breakers of conventional design, e.g. low-oil breakers and dead-tank oil circuit-breakers

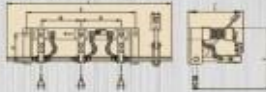


- Suitable for use in conjunction with, for example:
 - Overhead lines and cables
 - Transformers
 - Capacitors
 - Filter circuits
 - Motors



Earthing Switches

Indoor earthing switches are used for ensure absolute de-energisation of medium-voltage equipment in a circuit or switchgear. Our Indoor Earthing Switches offer free-standing, robust and reliable solutions for medium – voltage earthing systems. With variations designed to serve for a wide range of system voltages, Güral Indoor Earthing Switches currently operate worldwide at system voltages from 12kV to 36kV. The flexibility of the design of our Indoor Earthing Switches allows almost any custom solutions requested by the client, insulation levels, driving variations and construction assembly types. The earthing switches can be equipped with insulators in accordance with IEC, ANSI or DIN specifications.



PROTECTION RELAYS

Fast, accurate monitoring and control of distribution assets maximizing grid efficiency and reliability. New site management tools allow you to properly maintain and manage your entire fleet of devices with real-time diagnostic data and site reports. The Motors, The Transformers, Feeder and Line Protection Systems offer advanced protection and communications with multi-protocol support. Discovery Foreign Trade is able to supply well-known brands high quality European, U.S. & Canada, Japan & Turkish Protection Relays.





Low & Medium Voltage Switchgear Equipments Primary & Secondary Switchgear Equipments

Signal Lamps, Push Buttons, Terminals, Bus-bars, Insulation Material, Contactor, MCB - MCCB

Our company able to supply appropriate product of well known international brands and Turkish brands from stock and also able to manufacture according to special requirements

Magnetothermic residual current devices with overcurrent protection RCBs combine in a single device the residual current function and the overcurrent protection function typical of MCBs.

RCBOs are tripped by both current leakage to earth and overloads and short-circuits and they are self-protecting up to a maximum short-circuit current value indicated on the label.

Molded Case Circuit Breaker/MCCB

1. comply with standard of IEC
 2. accord with standard of GB and so on
- Molded case circuit breaker is one new type breakers which this company adopts international advanced design, manufacture technology to develop, the rated insulating voltage is 750V, suitable for AC 50Hz(60Hz), rated working voltage 690V or below, rated working current is 12.5 to 1250A of circuit and use in distributing electric energy. on frequent making and breaking in the normal conditions and protecting when circuit and installation are overload, short circuit and under voltage. Rated shell-rack and the breaker which current is under 400A, take protect effect when mouse cage motor is non frequent start, breaking off working and protecting overload, short circuit and under voltage.



Discovery is the leading provider of solutions for the transmission of power, data and control signals in industrial environments. The company develops, produces and sells industrial electronics, network infrastructure components and connectivity solutions such as Industrial Ethernet, Relays, Power Supplies, I/O modules, printed circuit board connectors, terminal blocks and complete DIN Rail assemblies. The Weidmuller group has a strong international focus with manufacturing and sales locations in over 70 countries.

