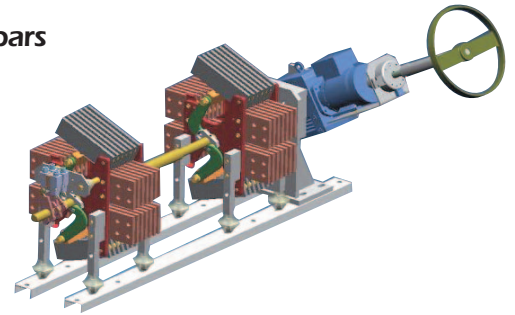




High-current Disconnectors MBD (Multi-Blade Disconnectors) 2000 V DC - 5000 to 60 000 A Single pole / Double pole / Change-over Aluminum or copper Terminals

- Low and constant voltage drop
- Large insulation and creepage distances
- Easy connections by bolting to aluminium and copper busbars
- Large customization potential with:
 - Actuators (motor, pneumatic, manual)
 - Auxiliaries (limit switches, locks, control boxes)
 - Dimensions to fit (adaptation to connecting terminal).



Main technical characteristics

Electrical Data

- Temperature rise at nominal current (with 40°C max. Ambient temperature) less than : 65°C
- Voltage drop at nominal current less than : 50 mV
- Peak short-circuit current withstand (upon circuit configuration) : 8 x (Nominal current)
- Dielectric withstand strength
 - Between live parts in open position : 10 kV - 50 Hz - 1 min
 - Between live parts and earth : 10 kV - 50 Hz - 1 min
 - Between auxiliary contacts and earth : 2.5 kV - 50 Hz - 1 min
 - Between motor (AC) and earth : 2 kV - 50 Hz - 1 min

Mechanical Data

- Mechanical endurance (with respect to maintenance instructions. Higher endurance upon request) : 1000 Cycles
- Typical duration of opening or dosing operation
 - With motor operation : Less than 16 seconds
 - With pneumatic operation : Less than 1 second
- Ponctual contact temperature on live parts withstand without equipment damage : 110°C

Technology

- All contacts are fitted with solid silver, high temperature brazed (special process)
- Visible break by direct viewing of mobile contacts
- Mechanically independant mobile contact arms with high-pressure springs
- Electrical contact with solid pure silver, point to point, contact tips.
- Insulation with pre-impregnated self-extinguishing flanges and rods with long leakage paths
- Operation mechanism by a toggle closed system
- Upon request, choice of input and output terminals in aluminium or silver-plated copper
- Upon request, two poles or change-over design by side association of two disconnectors

