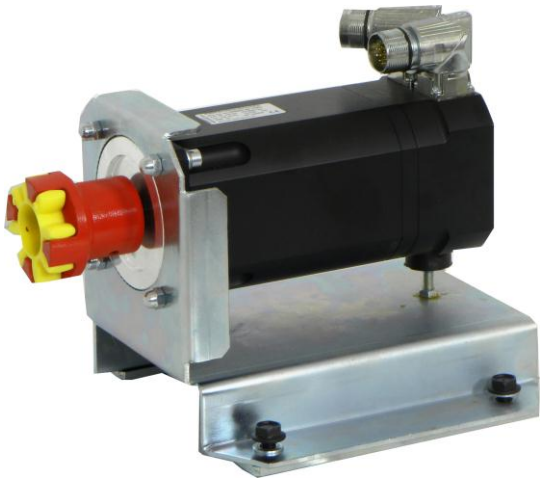
SMART GRID

BRUSHLESS MOTOR WITH CONTROLLER



DL 2108T26

Study of automatic control for a brushless motor.

- Control and operation of a brushless motor in voltage

The system allows the study of the operation of a brushless motor of a typical industrial process automation.

The student has the opportunity to learn to control and parameterize an automatic operation.

The control and monitoring system can be done through a software that can:

- Set system parameters
- Draw graphic curves
- Monitor real-time system (torque, speed, ...)

Specifications

- 1kW power brushless motor with electronic encoder
- Control of the system in frequency and voltage
- Mechanical braking system for the analysis of the torque
- Encoder outputs for the analysis of speed
- Display system for controlling and monitoring events
- Button start and stop action and automatic stop intervention in case of alarm
- Complete software for PC interfaced to the system via RS485

THREE-PHASE SYNCHRONOUS MACHINE

DL 1026P4

Machine with smooth inductor and three-phase stator armature winding for operation either as alternator or synchronous motor.

- Power: 1 kVA
- Voltage: 220/380 V Δ/Y
- Current: 2.6/1.5 A Δ/Y
- Rated speed: 1500 rpm, 50 Hz
- Rated speed: 1800 rpm, 60 Hz

Excitation winding on the rotor.
