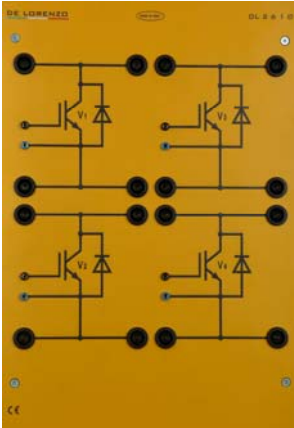




GROUP OF IGBT



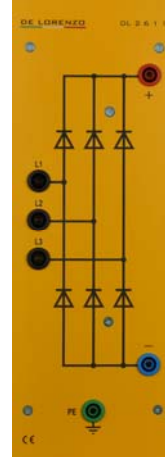
DL 2610

4 N-channel Insulated Gate Bipolar Transistors (IGBT) with anti parallel hyper fast protection diode used as very fast switches in switching regulators and inverters.

Technical features:

Collector-emitter voltage: $U_{CES} = 600 \text{ V}$
Continuous collector current:
 $I_c = 24 \text{ A}$ at $T_c = 25^\circ\text{C}$
Collector-emitter saturation voltage:
 $U_{CEsat} = 1.8 \text{ V}_{typ}$ at $I_c = 15 \text{ A}$
Gate-emitter voltage:
 $U_{GE} = \pm 20 \text{ V}$

BRIDGE THREE PHASE RECTIFIER



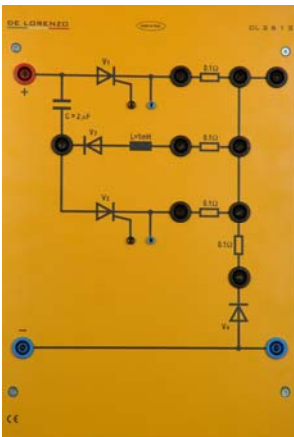
DL 2611

Non-controlled three-phase rectifier in six pulse bridge connection B6UK for the generation of a DC voltage from a three phase mains.

Technical features:

Rated alternating input voltage: $U_{VN} = 400 \text{ V}$
Direct output voltage:
 $U_d = 540 \text{ V}$
Rated direct current:
 $I_{dN} = 10 \text{ A}$
Surge forward current
 $I_{FSM} = 300 \text{ A}$
 $I^2t = 400 \text{ A}^2\text{s}$
Voltage drop: $U_F = 1 \text{ V}$ per diode

SCR WITH TURN OFF CIRCUIT



DL 2612

SCR with turn off circuit and freewheeling diode.

Technical features:

Technical features:
Main SCR and auxiliary SCR, complete with RC suppressor circuit.
Direct average current:
 $I_{TAV} = 13 \text{ A max.}$
Max. repetitive reverse voltage:
 $U_{DRM} = 800 \text{ V}$ $tq = 35 \text{ ms}$
Block diodes and flywheel, complete with RC suppressor circuit.
Max. repetitive reverse voltage:
 $U_{DRM} = 600 \text{ V}$ $I_{AV} = 8 \text{ A}$
Turn off capacitor:
 $C = 2 \mu\text{F}$
Oscillation coil: $L = 1 \text{ mH}$
Shunt for the measurement of the currents in each branch:
 $4 \times 0.1 \Omega$

DC POWER SUPPLY



DL 2613

Two outputs fixed voltage laboratory stabilized power supply. Protection from short circuit.

Technical features:

Output voltages:
 $+15 \text{ V} / 0 \text{ V} / -15 \text{ V}$
Output current:
 2.4 A (3 A for a short time)
Power supply:
single-phase from mains
Complete with two LED and a mains switch with pilot lamp.