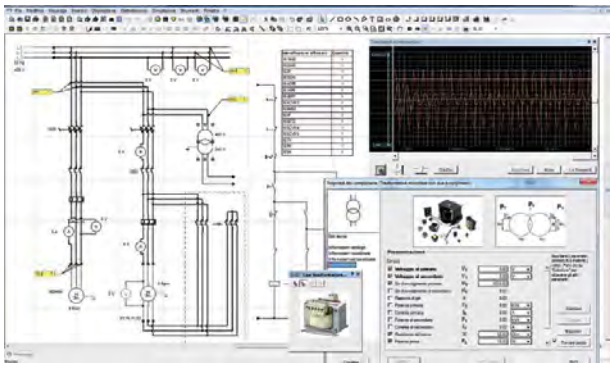
DESIGN, SIMULATION AND ANIMATION SOFTWARE FOR THE STUDY OF ELECTRICAL ENGINEERING

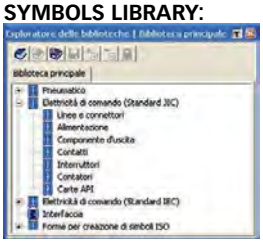
Mod. SW-ELT/EV



The software mod. SW-ELT/EV constitutes a very powerful educational tool to develop theoretical lessons and laboratory practical exercises. This software allows the user to design, simulate & animate circuits for the following technical fields:
- Electrical engineering
- Electrical control (standard IEC, JIC).
- Digital Electronics

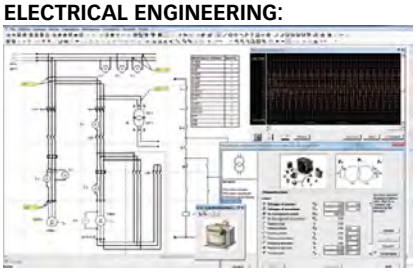
It also allows:
- Creating HMI and control panels interfaces
- Interfacing with the real circuit

SYMBOLS LIBRARY:



International symbols library for all the field mentioned above, according to ISO, DIN, IEC, NEMA and other standards. The user is able to create partial or specific libraries, to facilitate the design of new symbols. One important characteristic is the "Component Dimensioning" function, or the possibility to assign specific characteristics to the used symbols.

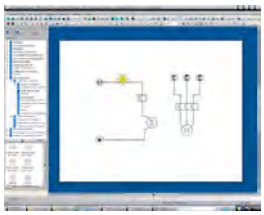
ELECTRICAL ENGINEERING:



The Library offers a wide range of components to create electrical D.C and/or A.C. circuits. The user can modify the simulation parameters like the resistance, inductance, torque, frequency, mutual inductance of the rotor or mutual inductance stator of the motor, the constant of inertia etc. With this library you can draw a circuit, simulate its operation and look for possible errors before passing to its realization.

HMI AND CONTROL PANEL:

This module allows to create animations and control panels. The graphical library contains several objects such as switches, push buttons, potentiometers, etc.



ELECTRICAL CONTROL LOGICS:
This library interacts with all the components of other libraries and allows creating electrical control logic circuits. It is then possible to make electro-pneumatics project. It includes push buttons, relays, coils, etc.

DIGITAL ELECTRONICS:
This library provides a wide range of standard logic components like inverter, logic ports, flip-flops, counters, scrolling registers, comparators, push buttons, LEDs, 7-segments display, multiplexer...

PC SYSTEM REQUIREMENTS
- N° 2 USB ports
- O.S: Windows 7

SUPPLIED WITH

THEORETICAL-EXPERIMENTAL HANDBOOK WITH INTRODUCTION TO THE EXERCISES

OPTIONAL

I/O INTERFACE:
INTERFACE BOARD Mod. C2-IO/EV

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