



DESCRIPTION

- The professional type electrical control training set is also designed to be used as a PLC training set.
- The Siemens G120 drive is used on the set. Control panel applications can be made with an HMI unit.
- For motor control applications, a 3-phase 0.75 kW star-delta operate electric motor is used.
- Control elements on the rails mounted on the perforated sheet metal panel are made to work as demountable.
- It can be done with the help of sockets without the need for cable connections on the control elements. Thus, it has been ensured that the elements used are industrial. Also, the damage is prevented.

➤ Electric-Electronic Training Sets

ELECTRICAL CONTROL & PLC TRAINING UNIT ADVANCED LEVEL

SET CONTENTS

- The training kit trolley measures 1400 mm (L) x 700 (W) x 1880 mm (H) with a solid wooden body.
- Lockable material cabinet with 3 drawers made of sheet metal.
- Perforated sheet panel 670 x 720 mm Approximately 500x720 mm dimensions, 3 phase 380V AC energy drive unit.
- 8 Siemens brand limit switches in 4 different types.
- 24VDC relay with a total of 4 contacts (2 pcs.)
- Siemens brand G120 - 0.75kW motor driver. The power unit is on the driver and has a display.
- Control cabinet made of aluminum profile measuring 1245mm (L) 295mm (H), 180mm (W). Symbols of all elements were printed on the Panel with the UV printing technique. There are born sockets for inputs and outputs.
- Motor protection switch and low voltage coil are used.
- PLC unit Siemens S7 1200 PLC, CPU 1214
- The power unit, input 380VAC, output 24VDC, short circuit protected.
- Emergency stop button
- The button unit consists of four varied normally open, and two varied normally closed buttons.
- Buzzer unit
- The indicator unit consists of 4 different colors, nickel-plated, metal body lamp. The potentiometer unit consists of two 5k potentiometers.
- Digital counter unit
- The load module consists of a DC motor, Step motor, and encoder.
- The Scalance module has at least 5 ports.
- Siemens brand, KTP 700 model is used for HMI module.
- Residual current relay module 1 phase, 30mA(1 pcs.)
- Residual current relay module 3 phase, 30mA(1 pcs.)
- Automatic fuses 1 phase, 6A (3 pcs.)
- Automatic fuse 3 phase, 16A
- Motor safety switch 2,5-4A,
- Thermal relay
- Multifunction time relay (2 pcs.)
- Contactor (8 pcs.)
- Soft starter
- Electric motor, 0.75kw, 3 phase (380V AC), star-delta operation
- Energy input can be controlled via a safety switch



Modül Modern Eğitim Teknolojileri A.Ş

+90 236 304 45 75
+90 236 304 45 75
info@metdidactic.com.tr

Muradiye Mah 8. Sk.
No: 21/1 Yunusemre
Manisa / Türkiye

www.metdidactic.com.tr



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