



46627A Industrial Installation Trainer is a rugged training system for the Electrical laboratories mounted on Aluminum profile rack with sturdy table top flat panel. Each panel has ABS molded plastic sturdy enclosure with 4mm shrouded connectors showing circuit diagram & its connection tag numbers for easy understanding and connections. The product helps you to get fully acquainted with the basic concepts and functioning of an Industrial Installation Trainer.

Salient Features

- Facilitates easy and safe wiring by students due to use of 4mm sturdy Shrouded banana patch cords and shrouded socket arrangements for high voltage circuits
- Each panel is made of non-breakable tough acrylic plate and colorful screw-less overlays showing circuits diagrams & its connection tag numbers for easy understanding and connection
- Numerous possibilities of testing of electrical circuits.
- Separate Transformer winding cores and copper coils for understanding step-up and step-down transformers
- Separate motor re-winding of motor rotors: assembly & re-assembly of a motor

Experiments

01. To study the working of meters
02. To study the working of DOL Starter
03. To study the working of Contactor
04. To study the working of Over Load Relay
05. To study the working of CAM Switch
06. To study the working of Proximity Switch
07. To study the working of Lamp load
 - 7.1 To study the working of Lamp Load in Star
 - 7.2 To study the working of Lamp Load on Delta
08. To study the working of Alarm Accunciator
09. To study the working of SMPS & Relay
10. To study the working of Timers
11. To study the working of 3 Phase Induction Motor in Star & Delta Connection
 - 11.1 To study the working of 3 Phase Induction Motor in Star Connection
 - 11.2 To study the working of 3 Phase Induction Motor in Delta Connection

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com

Provide Panels	Order code	Qty.
01. Aluminum Trainer Rack.....	69700	1nos.
02. Input 3 Phase DOL Starter Panel.....	69701	1nos.
03. Multifunction Meter (Single & Three Phase AC).....	69702	1nos.
04. Lamp Load Panel.....	69713	2nos.
05. MCCB Panel.....	69755	1nos.
06. Over Load Relay Panel.....	69766	1nos.
07. Switch Panel - 1.....	69767	1nos.
08. Switch Panel - 2.....	69768	1nos.
09. Alarm Annunciate Panel.....	69769	1nos.
10. Relay Panel.....	69770	1nos.
11. Industrial Socket Panel.....	69771	1nos.
12. Three Phase Contactor panel.....	69772	1nos.
13. AC/DC Supply with Timer Relay Panel.....	69773	1nos.
14. Relay Panel - 2.....	69797	1nos.

Provide Motor	Order code	Qty.
01. 3 Phase Squirrel Cage Induction Motor.....	69308	1nos.

INPUT 3 PHASE DOL STARTER PANEL

Order Code - 69701

1. 3 Phase direct on-line (DOL) starter,
2. 4 Pole MCB of 415v/4a
3. Pilot lamps for indication r, y, b phases
4. Contactor 9a, 415 VAC
5. Push button start, stop & emergency switch
6. 3 Phase industrial socket with 4c*1sqmm (5 mtr)
7. Shrouded socket

MULTIFUNCTION METER

Order Code - 69702

1. Bidirectional Multifunction Meter
2. 3 Phase 4 wire, 440V, Current 5A
3. LED display
4. Aux supply 230V, 45-65Hz, 5W
5. To measure parameters ie Voltage Current, KVA, Frequency, Power factor, Active Power (W), Reactive Power (vary) etc.
6. Shrouded socket 08Nos. etc.

LAMP LOAD

Order Code - 69713

1. 1 3 Nos. Lamp 100W with Holder & switch
2. Shrouded socket 12Nos.

MCCB BLOCK

Order Code - 69755

1. Three Phase, 3 Pole MCCB
2. 415 VAC / 100A
3. Shrouded socket

OVER LOAD RELAY PANEL

Order Code - 69766

1. Bimetallic thermal overload relay
2. 440v/1.4Amp-2.3Amp range with 3 power contact output
3. 1 NO & 1 NC contact output
4. Shrouded socket

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SWITCH PANEL - 1

Order Code - 69767

1. 24 VDC operated npn type proximity sensor with outpur terminal
2. One change over type limit switch with no & NC contact
3. 3 Pole , 7 way cam switch
4. Shrouded socket

SWITCH PANEL - 2

Order Code - 69768

1. 2 mashroom switch with 1 NO & 1 NC
2. 1 Illuminated push switch with 1 no & 1 nc
3. 1 Push switch with 1 no & 1 nc
4. 1 Illuminated switch 2 way, 4 terminal
5. 1Toggle switch 2 way , 4 terminal
6. Shrouded socket

SWITCH PANEL - 2

Order Code - 69768

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2. 1 Illuminated push switch with 1 no & 1 nc
3. 1 Push switch with 1 no & 1 nc
4. 1 Illuminated switch 2 way, 4 terminal
5. 1Toggle switch 2 way , 4 terminal
6. Shrouded socket

ALARM ANNUNCIATE PANEL

Order Code - 69769

1. 24 vdc/220 vac power supply for annunciator (internal/ external)
2. 4 nos of fault contacts
3. 4 nos of fault windows with flashing & alarm indication
4. Shrouded socket

RELAY PANEL

Order Code - 69770

1. 8 Nos of 24 vdc spst relay
2. LED indication for each relay
3. Each relay supports 1 NO & 1 NC contact
4. Shrouded socket

INDUSTRIAL SOCKET PANEL

Order Code - 69771

1. Single Phase 3 terminal socket, 16Amp
2. Three Phase 5 terminal socket, 16Amp
3. Shrouded socket

THREE PHASE CONTACTOR PANEL

Order Code - 69772

1. 9A contactor with 230vac / 50hz, with coil contacts
2. 2 NO & 2 NC contacts terminal
3. 3 Output terminals for R, Y, B phases
4. Shrouded socket

AC/DC SUPPLY WITH TIMER RELAY PANEL

Order Code - 69773

1. 220 VAC Power Supply
2. 24 VDC SMPS Output
3. 2 Nos of 24VDC/220VAC Timer Relay
4. Each Timer Relay Supports 2 NO & 2 NC Contacts
5. Shrouded socket

RELAY PANEL - 2

Order Code - 69797

1. 2 Nos of 220 vac dpst relay with coil input terminals
2. LED indication for each relay
3. 2 NO & 2 NC contacts terminal
4. Shrouded socket

ALUMINUM TRAINER RACK

Order Code - 69700

Aluminium trainer rack madeup aluminium profile size 40×40mm, foldable and light in weight 10 panel setup can be interchange conveniently to perform experiments. Dimention Length 1100×Hieght 1000

THREE PHASE SQUIRREL CAGE INDUCTION MOTOR

Order Code - 69308

1. Voltage : 415V AC 50Hz
2. Capacity : 300W/4Pole m/c
3. RPM: 1500 RPM
4. Shrouded socket 6nos.× Depth 350mm.

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