



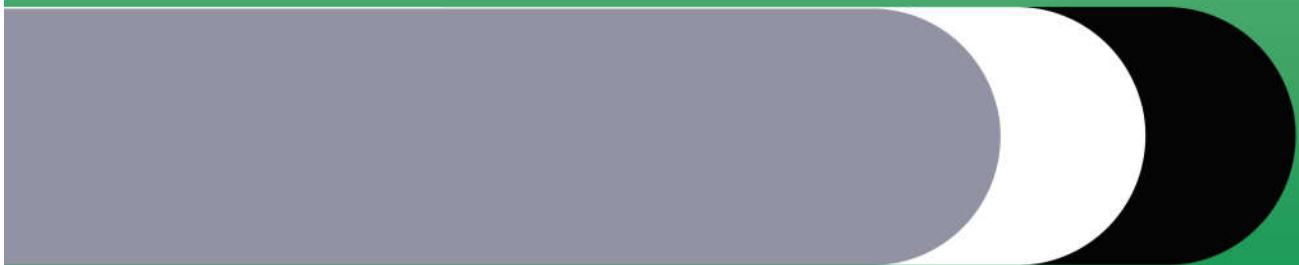
SQUARE E

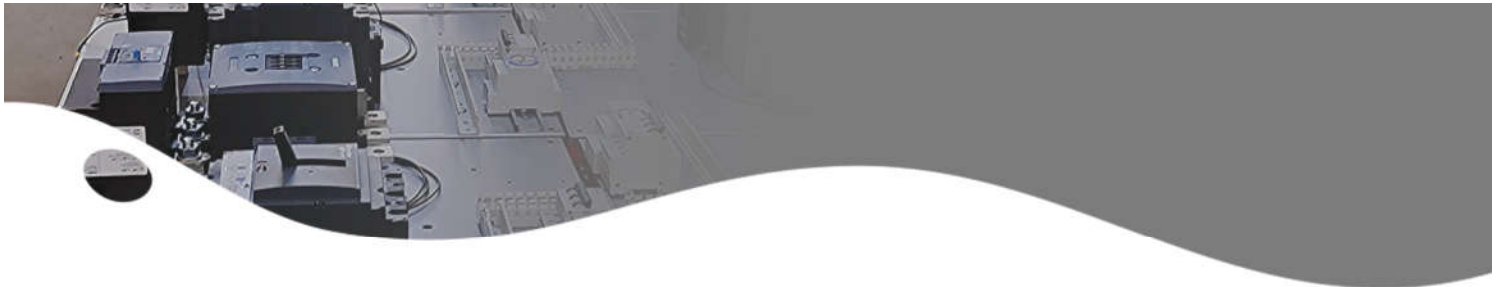
ELECTRICAL INDUSTRIES

Schneider
Electric
SUBCONTRACTOR



SQUARE E For Electrical Industries

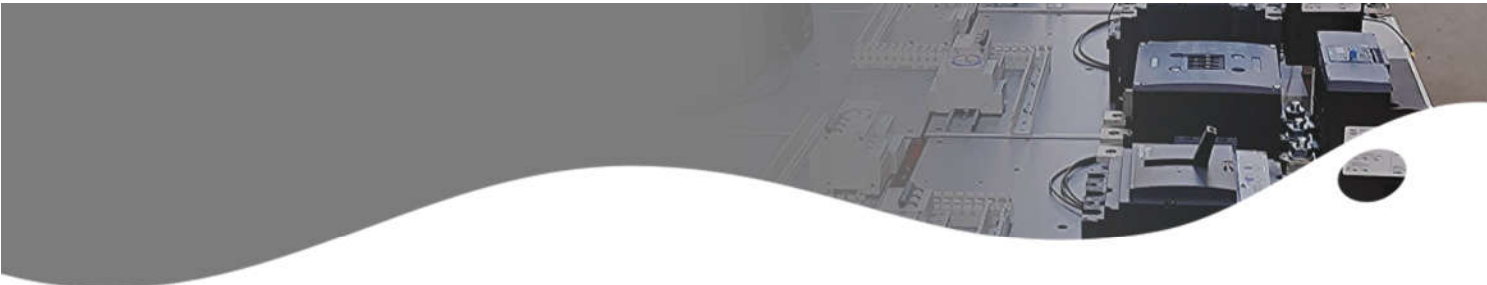




Introduction

- **SQUARE E** was established in Egypt since 2008 specialized in electrical distribution panels manufacturing and our Factory is located in 10th of Ramadan city in the industry area C6.
- **SQUARE E** is a subcontractor for Schneider Electric company.
- **SQUARE E** is involved with a variety of electrical work, ranging from Domestic to Industrial Installations and Electrical Contracting in conjunction to our general electrical work.
- Our panels are designed and built according to IEC standard.
- **SQUARE E** works as an electrical contractor on many projects, providing all electrical solutions such as (Medium voltage switch gears, Transformers, Generators, Cables, Lighting system,...)
- **SQUARE E** has successfully completed larger contracts with electrical consultants. We pride ourselves on quality workmanship and service excellence.
- **SQUARE E** is an authorized company and registered with all relevant Authorities situated in Egypt. we have undertaken major projects throughout Egypt.
- Our sound knowledge of the Electrical Industry allows us to be hands on in every aspect of the job from the beginning to end.
- **SQUARE E** provide Quality and after sales services with the highest level of competence with commitment to health safety and environment awareness.





for all work undertaken by Square E. We pride ourselves in quality that speaks for itself without compromising safety and reliability. We respect that each project deserves our attention to detail attitude.

These works include the following:

Low Voltage Main Distribution boards

- Ratings up to 6300A - 690V – 100KA 1s Icw
- High level of safety by design verification according to IEC 61439-2.
- Personnel and switchboard safety in case of internal arcing proven by means of testing according to IEC/TR 61641.
- 3 and 4 pole bus-bar system.
- Internal separation from form 1 up to form 4b (IEC 61439-2).
- IP degree of protection up to IP54 (IEC 60529).
- Indoor and outdoor applications.
- Modular switch board with variable designs:
Fixed, withdrawable.

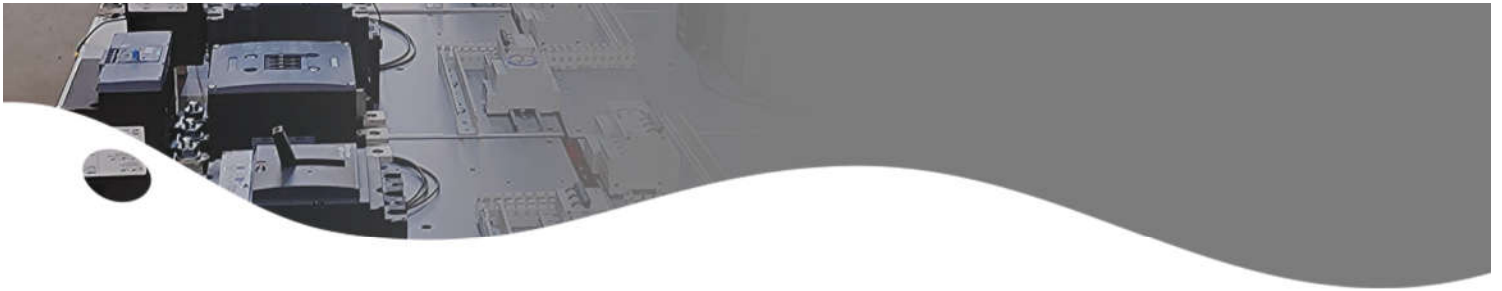


Material

Enclosure is manufactured from sheet metal 2.0 mm and 2.5 mm.

Surface treatment

Powder coated or galvanized.



- Variable feeder designs:



- ❖ Power Factor panels.
- ❖ Motor control center switch boards (MCC).
- ❖ Automatic transfer switch panels.
- ❖ Synchronization panel.

Sub distribution board.

- framework for currents up to 630 A for different applications.
- IP degree of protection IP42 – IP54-IP65 (IEC60529).
- All available in wall or floor or flush mounting.
- Indoor and outdoor applications.



Material

Enclosure is manufactured from sheet metal 2.0 mm or 1.5 mm as required.

Surface treatment

Powder coated or galvanized.



Control panels and PLC panels

- PLCs are often used in factories and industrial plants to control motors, pumps, lights, fans, circuit breakers and other machinery.
- PLC Panel can monitor any process and provide data wherever and however you need it



Distribution boxes

Products:

- Flush Mounting Distribution box (IP42).
- Floor mounting Distribution box (IP54).
- Wall mounting Distribution box (IP54).
- Enclosures with different dimensions.
- Metering cabinet.



Characteristics:

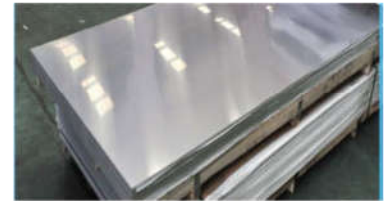
- From 6 line to 54 line.
- Incoming MCB or MCCB.
- Line panels or vertical panels.
- With bus-bar or without bus-bar.





All types of stainless-steel formation (304/316/321) (MDBs, panels, distribution boxes and different applications.)

- SQUARE E is a pioneer in the manufacture of stainless-steel panels in Egypt with the highest quality and the best price.
- Our experience in this field comes from the implementation of major projects in different market segments such as industrial, and oil & Gas.
- We specialized in stainless-steel custom-made products:
 - ❖ Electrical distribution panels.
 - ❖ enclosures for different application.
 - ❖ Special solutions for emergency on sites.

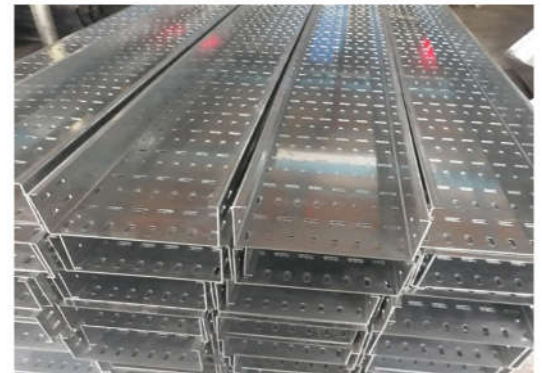


Characteristics:

- ❖ panels up to IP66.
- ❖ Thickness: 1mm-2.5mm.
- ❖ Grade: 304/316/321 Stainless Steel.
- ❖ Ratings up to 6300A - 690V – 100KA 1s Icw
- ❖ Internal separation from form 1 up to form 4b (IEC 61439-2).

Cable trays

- Cable trays are made of either steel, aluminum.
- Available in six basic types:
 - ❖ Ladder Type Cable Tray.
 - ❖ Solid Bottom Cable Tray.
 - ❖ Trough Cable Tray.
 - ❖ Channel Cable Tray.
 - ❖ Wire Mesh Cable Tray.
 - ❖ Single Rail Cable Tray.



Other services

- Commission and startup for (transformers, Generators, motors, MV SWGR, LV SWGR) with all electrical and mechanical tests equipment's.
- Maintenance work for (transformers, Generators, motors, MV SWGR, LV SWGR)
- Installation works in (transformers, Generators, motors, MV SWGR, LV SWGR).





SQUARE E

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Our Location

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