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## Letter from the Chairman



We have spent over 25 years building the company focusing on cost effective and high quality instrument current transformers and insulators. Although we appreciate our history, the majority of our time is spent forging ahead for the future, by advancing our skills, staying on the cutting edge of technology and fulfilling market needs. We have a clear vision, a common sense of direction and a culture of performance and delivery. Our aim is to create a successful, sustainable company on the long term.

**We can embrace  
change and step  
deftly into  
opportunities**

We’ve been surrounded by messages about sustainability in every aspect of our lives. Here at INSULA, we are proud to have embraced a three-tiered approach incorporating: living our values, excellent product delivery and sustainable growth. Each element is intertwined with each other, success in one element being dependent on achievement in the other two. It’s a challenge we’ve met throughout our history and will continue to meet with talent, creativity, and sensitivity.

We recognize that, in addition to our shareholders, customers, and employees, the environment is a silent stakeholder in our company, and we have an obligation to behave responsibly towards it. Through ongoing sustainability efforts, we are working – hand by hand – with our clients to increase efficiency, reduce waste and emissions, and save energy throughout our activities.

Sincerely,

Metwaly Eissa  
Chairman & CEO  
INSULA  
Misr Electric Insulators

# OUR GOAL

is to deliver

HIGH QUALITY,  
RELIABLE,  
CUSTOMIZED  
PRODUCTS  
&  
SERVICES

for our

CLIENTS

## ABOUT INSULA

*INSULA was established in 1989 under license from KWK- Messwandler, Germany - now known as ELEQ Company. The main head office and the factory are located in 6th of October City, Egypt. The company employs a total workforce of 40 employees.*

*INSULA supply the switchboard manufacturers, for Indoor use up to 36 kV, with the highest quality of Cast resin M.V. current transformer for measuring and protection purposes and Cast resin support insulators.*

*INSULA is an ISO 9001:2000, 14001:2004 and OHSAS 18001:2007 certified company. The company serves the largest sector of the local Egyptian market needs of the transformers and insulators according to worldwide IEC 61896-2 2012 standards.*

*INSULA enterprise is a team of highly qualified and experienced engineers in design, manufacturing, testing, R&D work in the field of all types of medium voltage current transformers up to system voltage 36 kV which satisfies DIN 42600 for indoor application.*

*We take this opportunity to introduce ourselves as quality manufacturers of "INSTRUMENT TRANSFORMER".*

## OUR VISION

To be one of the leading manufacturing companies of instrument transformers in the middle East.

## OUR MISSION

INSULA strives to lead the Egyptian and foreign markets in producing customized high quality competitive transformers and insulators while maintaining customer satisfaction

## OUR CORE VALUES

### Safety

The health and safety of our people and our partners is at the top of our priorities.

### Excellence

Responsibility for product or service quality rests with every individual in the organization who produces, assembles or performs a service/ function.

### Sustainability

We plan and work for the long term good of our company, our customers and our world.

### Integrity

Uncompromising ethics, honesty, and fairness are at the heart of our company.

### Team Work

We work with team work spirit inside our company and with our partners, so we work collaboratively to achieve our goals.

### Valuing People

Treating people with respect and dignity is in the heart of our beliefs.

# Partnership

Insula is a joint stock company established in 1989 under license from ELEQ Company. INSULA also is Eleq’s sole agent for all their products in Egypt. ELEQ designs and manufactures smart electro technical applications for protecting, measuring and connecting electrical energy and works worldwide for renewed power companies, system builders and installers. Together with our clients we anticipate on the future and on required innovations.



## Our Main Clients



# Quality Policy

It is a firm belief of the management of INSULA that ensuring quality of the highest level is vital pre- requisite for continued success. INSULA’s policy is to achieve “Leadership in high voltage test and measuring equipment field” by continuous R&D and provide state-of-art test and measuring equipment to the customer.In pursuance of the above policy, the organization makes a firm commitment to meet the following objectives:

- The company shall install and maintain a quality management system to meet the ISO
- 9001:2008 standard, environment management system ISO 14001:2004 & occupational health and safety management systems OHSAS 18001:2007 standard.
- The company will meet customer requirements in all aspects & strive to rise to their expectation on an on-going basis, through maintenance of close support & customer relationship.
- The performance of the product is regularly monitored to prevent problems and also obtain inputs for further technology up gradation.
- The company will provide necessary training on an on going basis for overall development of all the employees.

# Corporate Social Responsibility

INSULA’s main objective regarding Corporate Social Responsibility (CSR) is to establish directions that ensure the presence of ethical criteria in operations, the respect of the individual and the protection of the environment across all our business initiatives and activity sectors.

- Development of a CSR culture in all our subsidiaries.
- Engagement in an ongoing dialogue on CSR and building of effective relationships of trust between shareholders, management and employees.
- Identification, measurement and reduction of our environmental footprint in the areas where our activities are based.
- Promoting transparency in all our business units, transactions and operations.
- Guaranteeing the best possible work environment as well as highest possible level of satisfaction for our people, through their participation in the Company’s ongoing growth.
- Promoting the protection of Human Rights and – first and foremost – of the Rights at Work.
- Our substantial and ongoing involvement in meeting the needs of local communities as well as of society at large.
- Our participation in international CSR indices and standards, seeking to ensure the continuous improvement of our practices and to increase the added value of our operations
- The effort to extend our commitment to CSR to persons and groups within our sphere of influence.



# Board of Directors

## Metwaly Eissa, BSc.

Chairman & CEO

Eng. Metwaly founded INSULA in 1989. He holds a BSc. degree in Electrical Engineering specialized in Power division from Cairo University, Egypt 1967. A descendent of an Entrepreneurial family and an experience of more than 45 years Eng. Metwaly followed his father path and established INUSLA, where he previously managed his father’s real estate company. He has a diversified experience in engineering, construction and mechanical sectors all along his professional journey.

## Dina Eissa, BA

Vice Chairman

Mrs. Dina has more than 14 years of diversified experience in business development, marketing consulting, strategic planning, and direct customer service in B2B environment. She acquired an IAA (international Advertising Association) diploma from the American University in Cairo, 2002. And BA of Business Administration from the American University in Cairo 1999.

## Ingy Eissa, MBA

General Manager

Mrs. Ingy has more than 10 years of extensive experience in the field of marketing, sales and strategic planning. Joined INSULA 2008, has been involved in all managerial decision making and setting strategic policies. She holds a Master degree in Business Administration from Nile university with collaboration from IESE University, Spain in 2015. Acquired an IAA (International Advertising Association) diploma from the American University in Cairo 2007 and a B.A. in Integrated Marketing Communication (with Honors) and a minor in Psychology, American University in Cairo 2005.

## Dalia Eissa, MSc.

Marketing Manager

Ms. Dalia has more than 8 years of experience in the field of marketing, sales and human resource management. She joined INSULA 2012. As one of the board members, she participates in INSULA’s strategic planning process. She holds a Master of Science degree in Management, Hodges University, FL., USA 2015. She graduated with B.A in Economics, with a minor in Business Administration from the American University in Cairo 1999.

## Sara Eissa, BSc.

Operations Manager

Mrs. Sara has 4 years of experience in industrial engineering. She is involved in operation and production strategic decisions and planning. She holds BSc. in Mechanical Engineering specialized in materials and industrial engineering, Minor in Business Administration from the American university in Cairo, 2010.

# Products

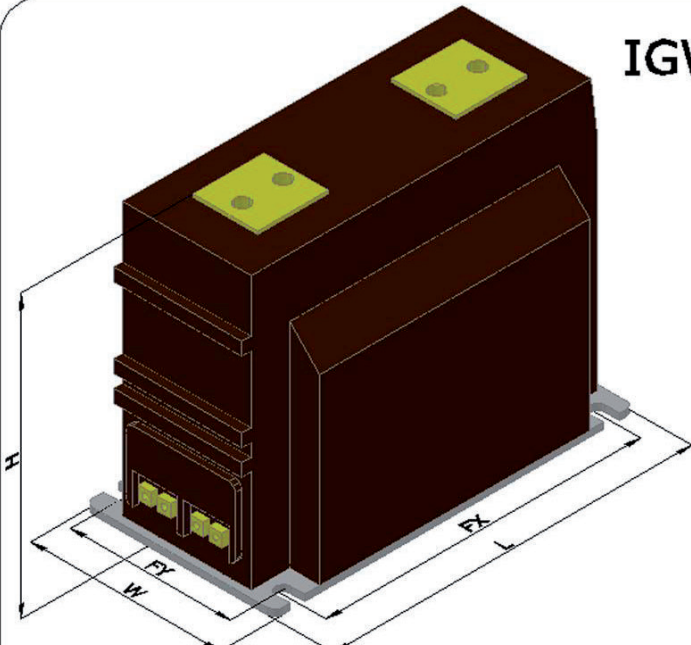
- Cast Resin M.V. Current Transformers for Measuring and Protection purposes.
- Cast Resin Support Insulators.





# Products Types and Features

CT Types & Dimensions	Technical Data & specifications	Insulators Types & speecs	Type Test certificates
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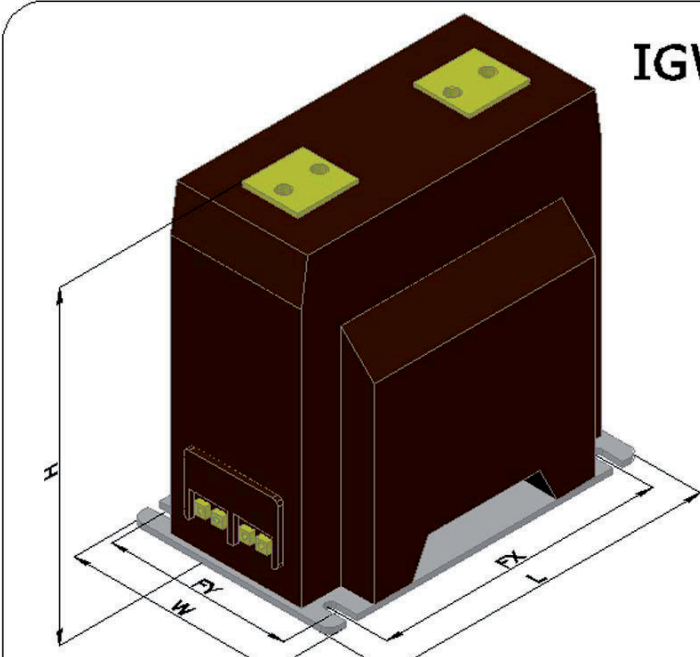


**IGW Series Size (1)**

Type	L	W	H	FX	FY	C.D.
B1	250	148	220	215	125	230
C1	280	148	220	245	125	245
D1	310	148	220	275	125	260
E1	360	148	220	325	125	285

Dimen.: mm ±1

L =Length      W =Width      H =Height      C.D. =Creepage Distance  
FX =Long side fixation distance      FY =Narrow side fixation distance

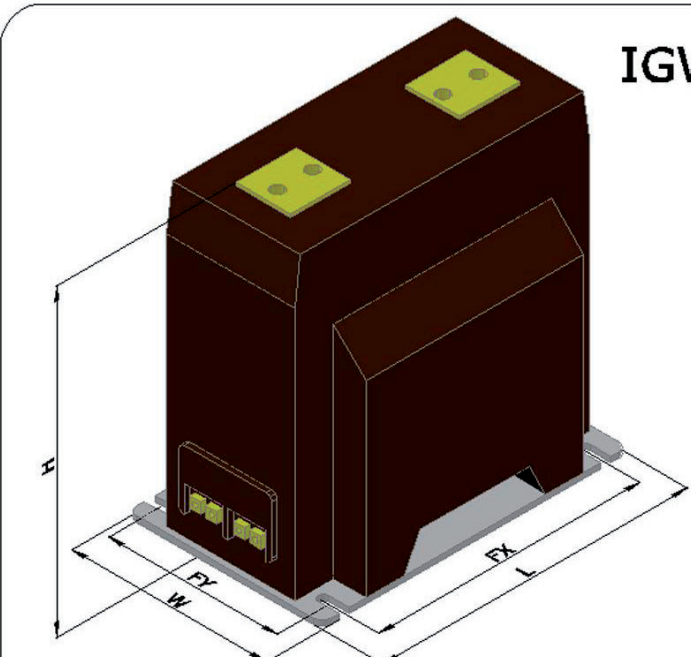


**IGW Series Size (3)**

Type	L	W	H	FX	FY	C.D.
D3	310	208	280	270	180	270
E3	350	208	280	310	180	295

Dimen.: mm ±1

L =Length      W =Width      H =Height      C.D. =Creepage Distance  
FX =Long side fixation distance      FY =Narrow side fixation distance

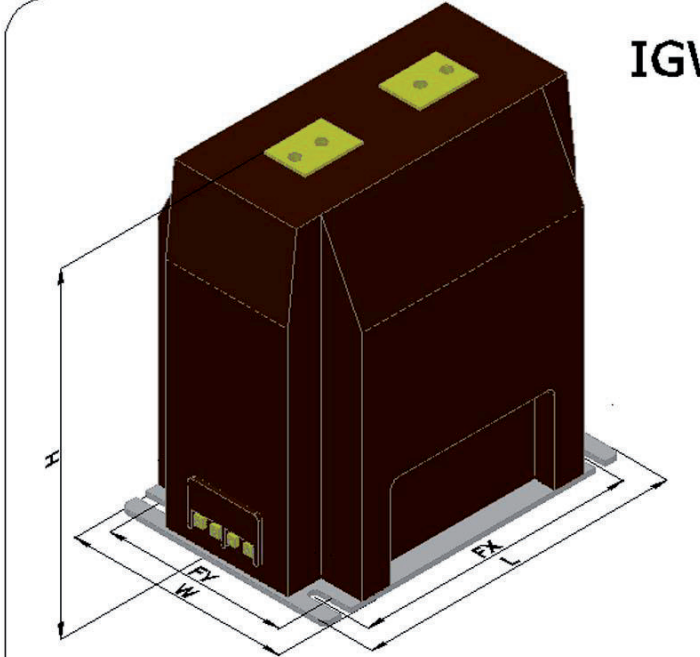


**IGW Series Size (2)**

Type	L	W	H	FX	FY	C.D.
C2	280	178	280	240	155	255
D2	310	178	280	270	155	270
E2	350	178	280	310	155	295

Dimen.: mm ±1

L =Length      W =Width      H =Height      C.D. =Creepage Distance  
FX =Long side fixation distance      FY =Narrow side fixation distance

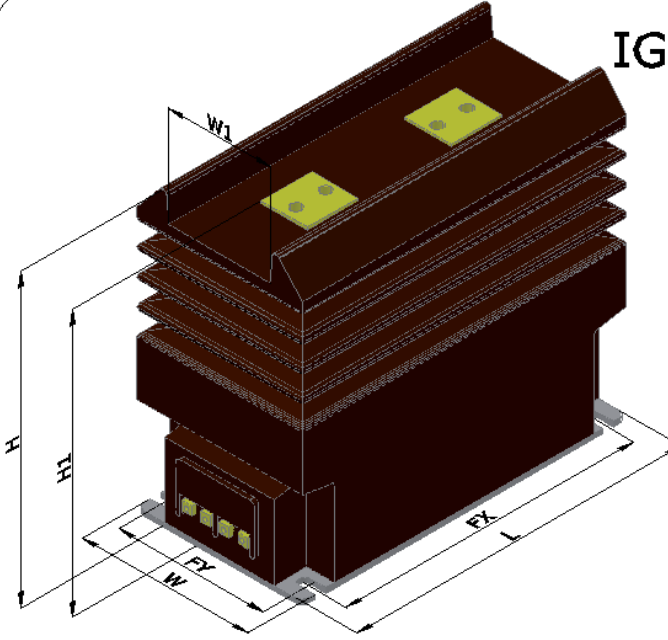


**IGW Series Size (4)**


Type	L	W	H	FX	FY	C.D.
E4	360	248	390	310	205	408

Dimen.: mm ±1

L =Length      W =Width      H =Height      C.D. =Creepage Distance  
FX =Long side fixation distance      FY =Narrow side fixation distance



## IGW Series Size (R)



Type	L	W	W1	H	H1	FX	FY	C.D.
RB2	330	178	110	310	280	290	155	440
RC2	350	178	110	310	280	310	155	440
RD2	350	178	110	310	280	310	155	440
RH2	330	178	110	310	280	290	155	310
RC3	350	208	110	310	280	310	180	440

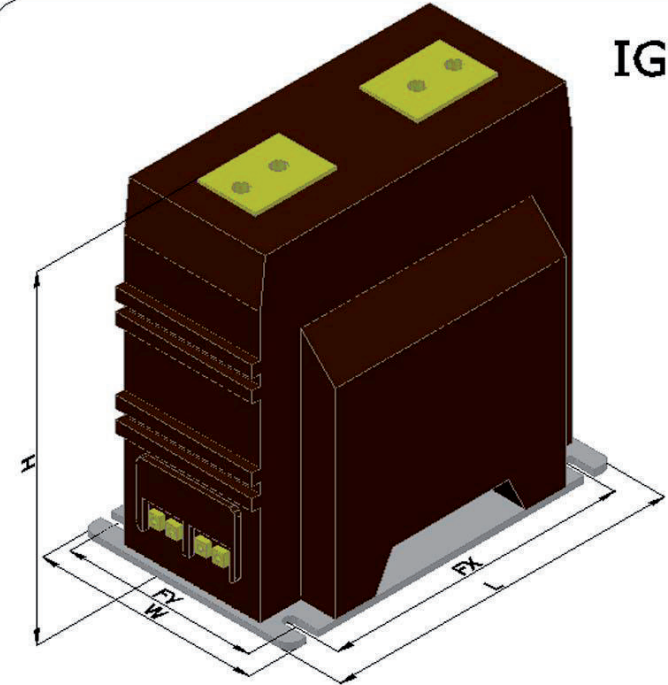
Dimen.: mm ±1

L =Length  
FX =Long side fixation distance


W =Width

H =Height

C.D. =Creepage Distance  
FY =Narrow side fixation distance



## IGW Series Size (S)



Type	L	W	H	FX	FY	C.D.
C2S	280	178	245	240	155	280
D2S	310	178	245	270	155	290
E2S	350	178	245	310	155	320
D3S	310	208	245	270	180	290
E3S	350	208	245	310	180	320

Dimen.: mm ±1

L =Length  
FX =Long side fixation distance

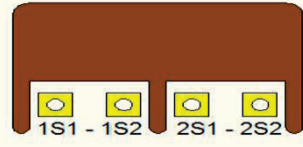
W =Width

H =Height

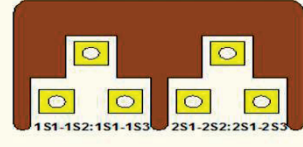
C.D. =Creepage Distance  
FY =Narrow side fixation distance

### Secondary Terminals

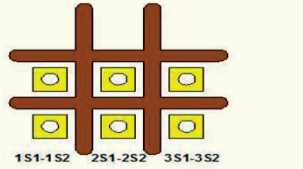
Acc. to C.T. design, terminals of sec side can be 4 or 6 or 9 points as follow:



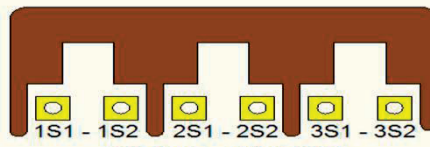
Sec. term. with 4 points  
Ex. 800/5/5 A or 400:800/5/5 A  
with **Prim.** reconnection



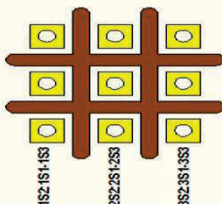
Sec. term. with 6 points  
Ex. 400:800/5/5 A  
with **Sec.** reconnection




Sec. term. with 6 points  
Ex. 800/5/5/5 A or 400:800/5/5/5 A  
with **Prim.** reconnection



Sec. term. with 6 points  
Ex. 800/5/5/5 A or 400:800/5/5/5 A  
with **Prim.** reconnection



Sec. term. with 9 points  
Ex. 400:800/5/5/5 A  
with **Sec.** reconnection



Sec. term. with 9 points  
Ex. 400:800/5/5/5 A  
with **Sec.** reconnection

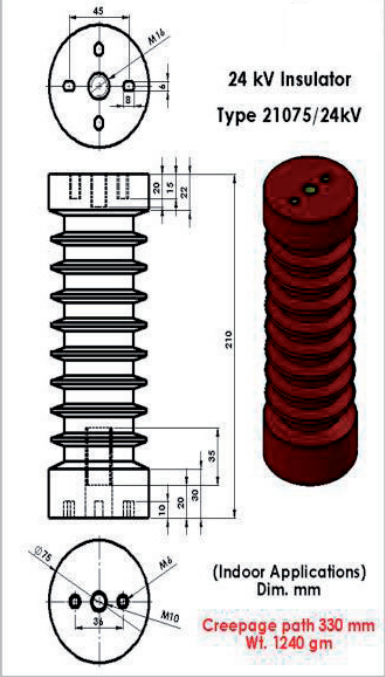
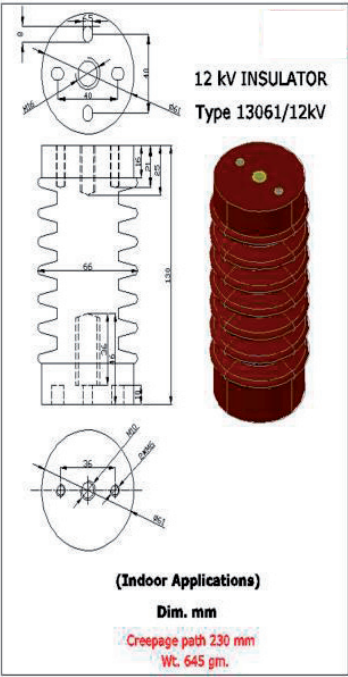
### Standard Specifications acc. to IEC 61896-2 to which INSULA's products complies:

1- Rated Primary	25 ...3000 A (intervals of 5)
2- Rated Secondary	5A or 1A
3- Accuracy Class:	Class X (on request)
a. 'M' Wdg	0.2, 0.5 or 1 {Fs < 5 or 10}
b. 'P' Wdg	5P or 10P 10/15/20
4- Rated Output	5 .... up to 60 VA
5- Highest system Voltage (KV)	3.6 7.2 12 17.5 24 36
6- Rated Insulation Level (kV)	
*Power Frequency – 1 min. test	10 20 28 38 50 70
*Impulse	40 60 75 95 125 170
7- Rated short time	
*Thermal Current Ith.	Min. 100 x Inn KA
*Dynamic current Idyn.	2.5 x Ith (max. 100 KA)
8- Rated Continuous thermal current	120%....150% In A
9- Rated frequency	50 – 60 Hz
10- Insulation Class	E
11- Number of secondary cores	Up tp 3
12- Double Ratio CT with change over on Primary side	Up to 600 ...1200 A



INSULA prodgues low voltage and medium voltage insulators. All insulators are cast resin using automatic pressure gelation process.

Type Test Certificates

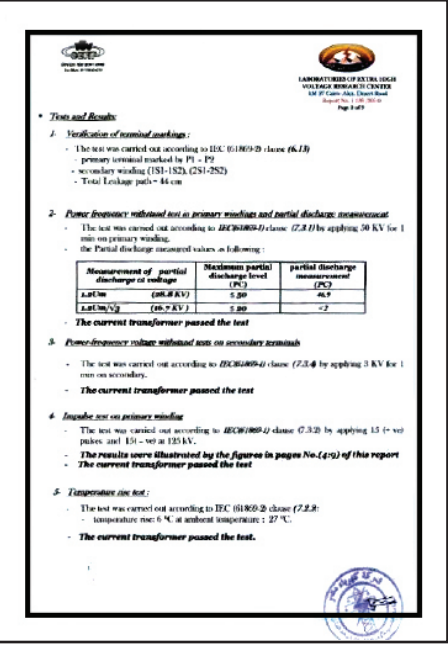
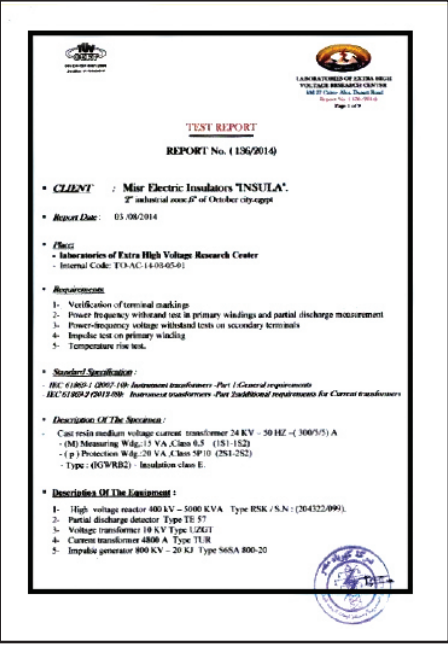
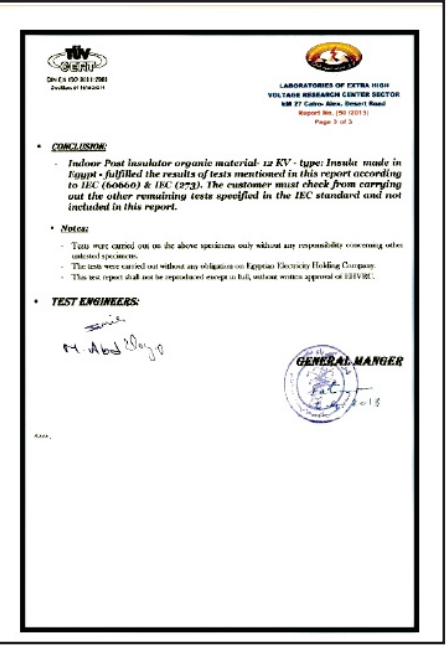
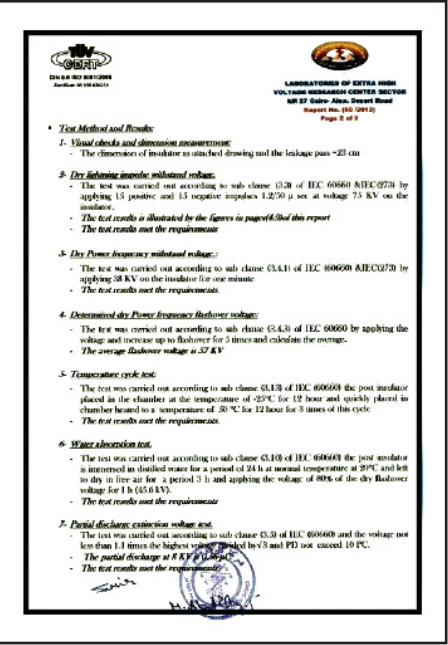
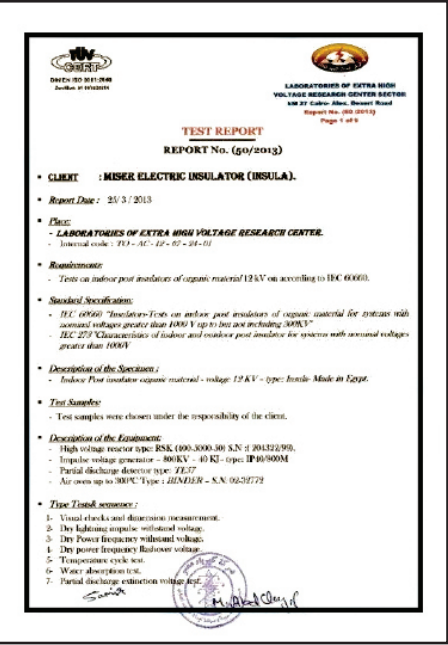


Low Voltage Insulators

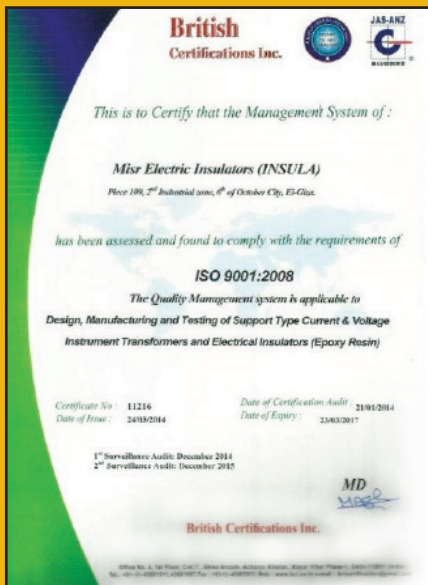
Type	Size	Dimensions (diam x Height ) mm
INS-4030/1KV	3 cm	40 x 30 – M8
INS-4040/1KV	4 cm	40 x 40 – M8
INS-5050/1KV	5 cm	50 x 50 – M12
INS-5060/1KV	6 cm	50 x 60 – M12

Medium Voltage Insulators

Type	Size	Dimensions (diam x Height ) mm
13061/12KV	12 KV	130 x 61
21075/24KV	24 KV	210 x 75







INSULA

Misr Electric Insulators

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