



METELX
TECHNOLOGIES



The Instrument Transformer Company



METELX
TECHNOLOGIES

power factor resistance voltage current accuracy up
winding magnetic flux load turn equipments grounded primary secondary
instrument transformer
stepped range down see range
flow



Introduction

Metelx Technologies was established in 2006 in Lahore. The company manufactures current and voltage transformers up-to 24 KV application, both indoor and outdoor. METELX Technologies is an ISO 9001: 2015 certified company. Metelx's products have wide acceptance. Products are manufactured to WAPDA/NTDC, BS, IEC, and AS standards and dimensions are to DIN standards. Products have been type-tested. The company has vast expertise in the design and manufacture of current and voltage transformers for metering, protection and special protection applications.

The manufacturing unit of the Metelx Technologies is well-equipped with manufacturing and testing equipment. Testing of instrument transformers is done using International standard Equipment required for this purpose

Approvals

METELX Technologies is an ISO 9001: 2015 certified company. The products manufactured are the routine and type tested to domestic and international standards at NV & SC Lab, Rawat Laboratory, Pakistan. The performed type-tests include short time tests, impulse tests, partial discharge and temperature rise. Our Instrument transformers meet the requisite international standards including stringent requirements of partial discharge.



Mission

We are a growing and profitable supplier of transformers and complementary products dedicated to satisfying the collective needs of our shareholders, customers, suppliers, employees and community.

Visions

To be the leader in our industry by delivering:

- Lead times as defined by our customers
- Abroad range of competitive products
- Quality and service excellence
- Technical expertise
- Strong financial performance

Values

- We value honesty, integrity and ethical behavior in our relationships with all stakeholders.
- We value innovation and a relentless pursuit of continuous Improvement in all our processes.
- We value timely decisions based on facts and knowledge.
- We value a team-oriented approach.
- We believe in treating all stakeholders with dignity and respect.



Products

The company manufacture three type of instruments transformers

- Medium Voltage Instrument Transformer
 - Medium Current Transformer (CT)
 - Medium Voltage Transformer (LV)
- Low Voltage Current Transformers
 - Low Voltage WAPDA CT's (LVW)
 - Low Voltage Private (LVP)
 - Low Voltage Split Core (LVS)
- Epoxy Insulator (Bus Bar Support)
- Epoxy Bushing

Instrument Transformer

Instrument Transformers is a special transformer that is used in electrical power system (Industrial Area) for stepping down currents and voltages of the system for measuring, metering and protection purpose. The primary winding of the transformer is connected to the high voltage or high current circuit, and the meter or relay is connected to the secondary circuit.

The electrical instruments are not directly connected to the meters or control apparatus of high voltage for safety purpose. The instrument transformers (like voltage transformer and current transformer) are used for connecting the electrical instruments to the measuring instruments. These transformers reduce the voltage and current from high value to the low value which can be measured by conventional instruments (Non-Risky Instruments).

The measuring instrument like Ammeter, Voltmeter, Wattmeter, etc. designs for low voltages. If the measuring apparatus connects to the high voltage lines for measurement, the devices may get burned or damage. Thus, the Instrument transformer (CT, PT) uses for measurement.



Current Transformer (CT)

A Current Transformer (CT) is the principal measuring device for protection and metering schemes in any power system. The primary current of the CT is transformed into the required secondary current, usually 5A or 1A. Not only is the accuracy of the transformation of prime importance, but also the isolating function. In fact there is no matter what the system voltage on the primary circuit, the secondary circuit need to be insulated only for a low voltage.

METELX Technologies manufactures given below medium current transformer (MCT)

✓ MCT-01

✓ MCT-02

✓ MCT-03

✓ MCT-04

✓ MCT-04B

✓ MCT-08

✓ MCT-09

✓ MCT-10

✓ MCT-11

✓ MCT-13

✓ MCT-14

✓ MCT-16

✓ MCT-17

✓ MCT-18

✓ CBCT-19

✓ CBCT-20



Potential Transformer (PT)

Potential Transformer is also known as Voltage Transformer. It consists of primary and secondary windings which are electrically isolated but coupled magnetically by a core. Their role in electrical systems is of primary importance as they “step down” the voltage of a system to measurable values, such as 110 V or 100 V, thus enabling Standardization of equipment

Voltage Transformer Measurement For Metering:

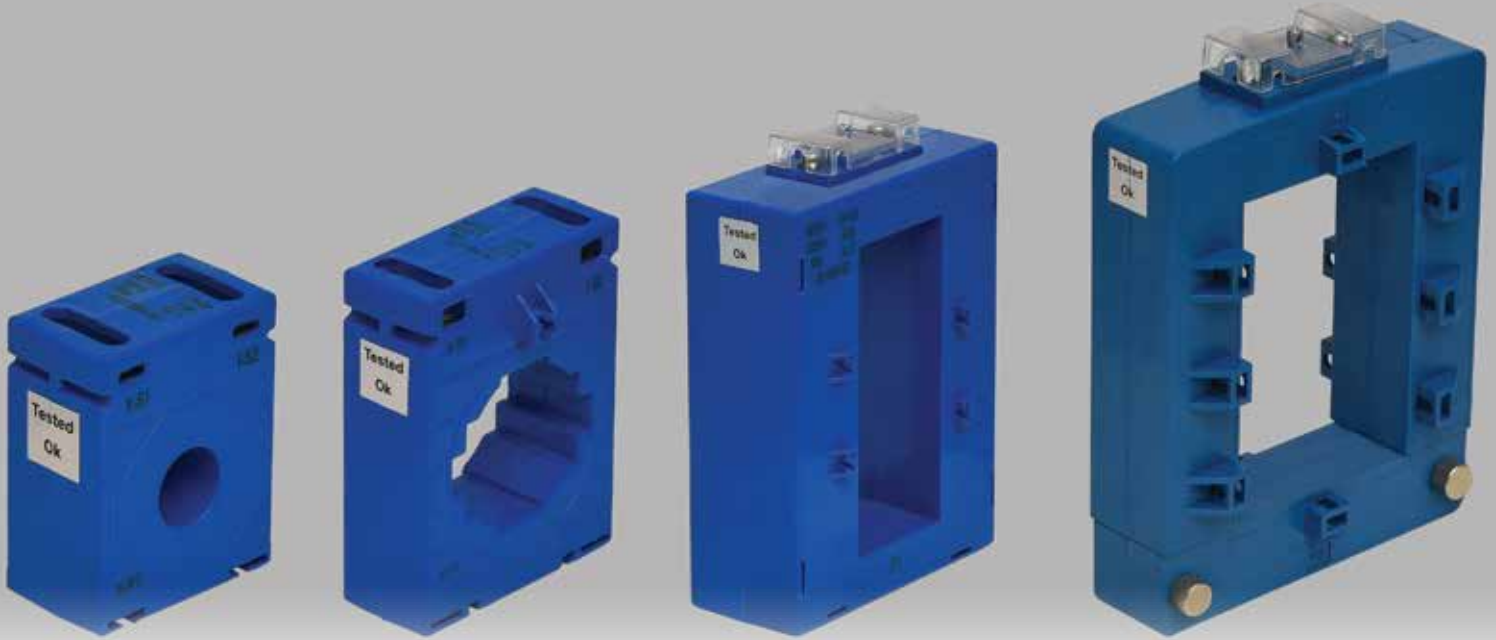
A voltage Transformer with typical accuracy class: 0.1, 0.2, 0.5, 1.0 and 3.0 used mainly for measuring through meters and similar apparatus.

Voltage Transformer Measurement For Protection:

A Voltage Transformer with typical accuracy class 3P, 6P are used mainly for protection Relays.

METELX Technologies manufactures given below medium voltage transformer (MVT)

- ✓ **MVT-05**
- ✓ **MVT-06**
- ✓ **MVT-07**
- ✓ **MVT-12**
- ✓ **MVT-15**
- ✓ **3 Phase PT**



Low Voltage Current Transformer (LV)

METELX produces a comprehensive range of Low Voltage Current Transformer according to International/Local Standards. A variety of designs are available to suit individual requirements. Ring Type (bus bar mounted) CTs with different sizes of windows are available that provides easy mounting for any position in LV appliances. All current transformers are constructed from high-grade material and are individually tested for compliance with the specifications. A team of qualified and experienced staff is assigned for the design and testing of current transformers. Strict quality control is exercised to provide a reliable product.

METELX Technologies manufactures given below low voltage current transformer (LVP,LVS & LVK)

- ✓ LVP-20
- ✓ LVP-30
- ✓ LVP-40
- ✓ LVP-60
- ✓ LVP-80
- ✓ LVP-100

- ✓ LVS-20X30
- ✓ LVS-50X80
- ✓ LVS-80X80
- ✓ LVS-120X80
- ✓ LVS-80X160
- ✓ LVK-125
- ✓ LVK-65
- ✓ LVK-35



Low Voltage Current Transformer (LVW)

Having a variety of low voltage instrument current transformers METELX also manufactures special instrument transformers for WAPDA which is used for measuring purposes. Before copper winding on the steel core, annealing process is used to remove stress from the core, which is critical to ensure the core will deliver optimum accuracy and minimum excitation loss. These transformers are the current-sensing units of the power system and are used at generating stations, electrical substations, and in industrial and commercial electric power distribution.

METELX Technologies manufactures given below low voltage transformer (LVW)

- ✓ LVW-100
- ✓ LVW-200
- ✓ LVW-300
- ✓ LVW-400
- ✓ LVW-600
- ✓ LVW-800
- ✓ LVW-1000



Epoxy Insulator And Bushing

Keeping our synchronization with the engineering development taking place in this industry, METELX is engrossed in delivering a broad range of Epoxy Insulator. The 00KV high-voltage insulators are made of high-quality insulating materials which have superior electrical insulation performance, superior mechanical strength, and reliable dimensional stability. Epoxy resins are widely used as insulation material in electrical and electronic applications and these manufactured insulators are used in electrical equipment to support and separate electrical conductors without allowing current through themselves.

METELX Technologies manufactures given below epoxy insulators

- ✓ **Epoxy Insulator (Bus Bar Support)**
- ✓ **Expoxy Busshing**



Quality

- The certification to ISO 9001 ensures that established procedures are followed in all areas of operation such as design, marketing, planning, purchase, production, inspection at all stages and dispatch.
- All designs developed are planned, reviewed, verified and completely validated by routine and type testing to the specified standards prior to production.
Each range of products is covered by a detailed quality plan that tabulates all related activities.
- All instruments used are calibrated from an ISO 17025 accredited lab with traceability to relevant standards.
- METELX technologies design, marketing, planning, purchasing and manufacturing activities are computerized.
- Our Customers repose complete confidence in our Products and services.

Testing Facilities

METELX Technologies provide given below tests for all kind of CT's & PT's

- Accuracy Test
- Temperature-Rise Test
- Induced Voltage Withstand Test
- Power Frequency Withstand Test
- Inter-Turn Over Voltage Test
- Instrument Security Test



Products

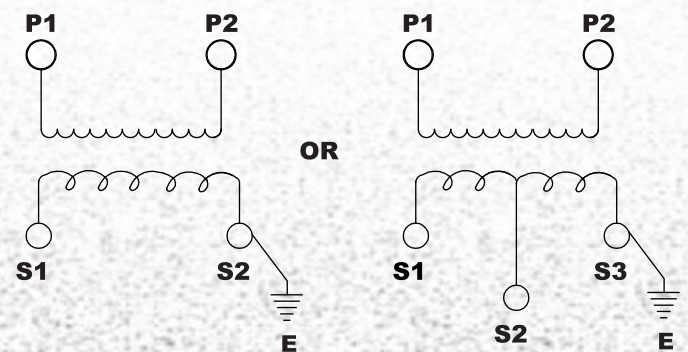
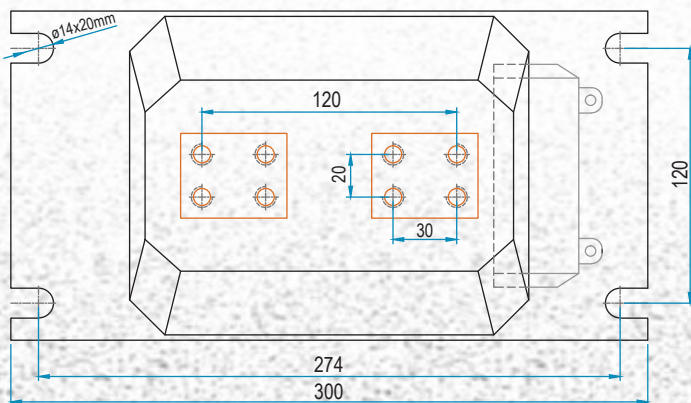
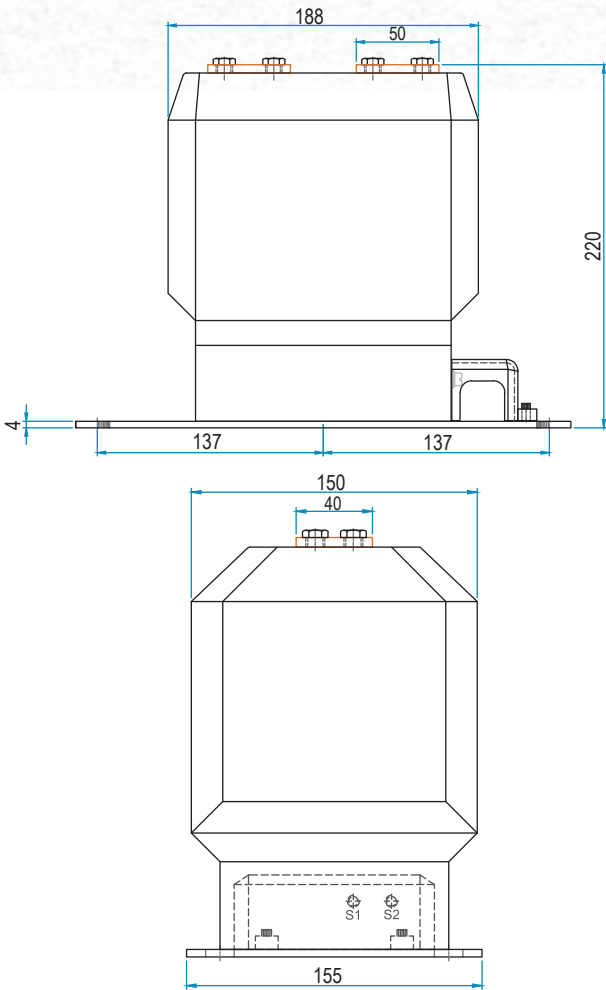


~ Available Shades ~



MCT-01

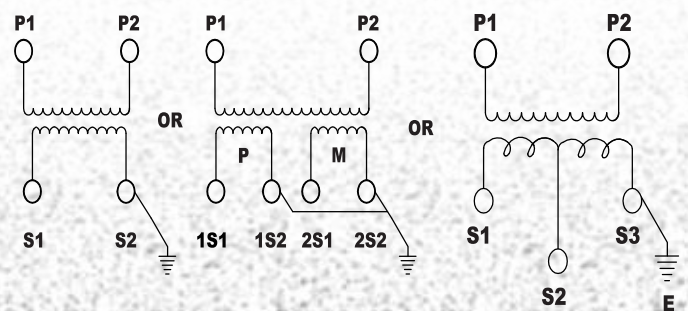
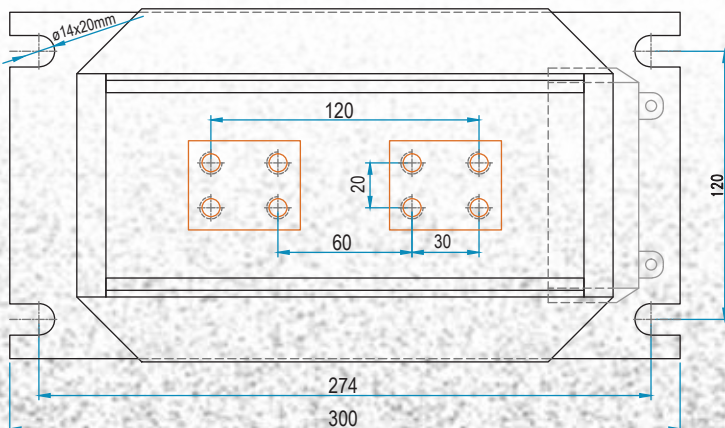
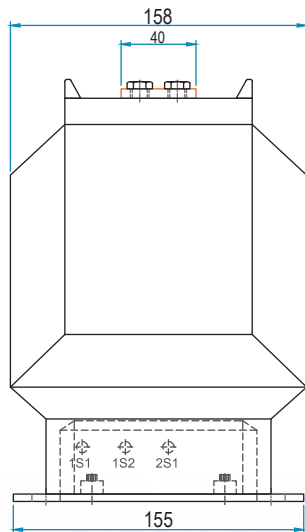
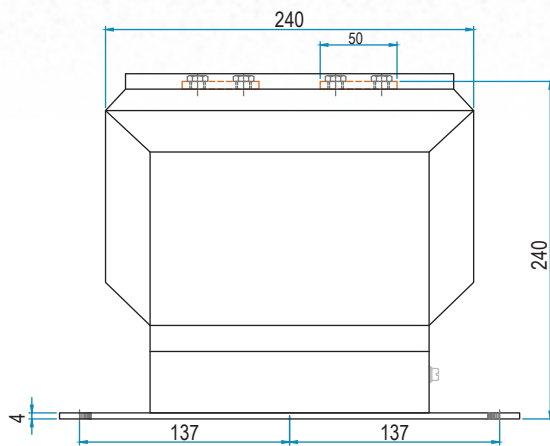
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Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to	5 P10 to	Up-to 40	Up-to 40
50:25/1A to 1000:500/5A	1.0 M10	10 P10		



MCT-02

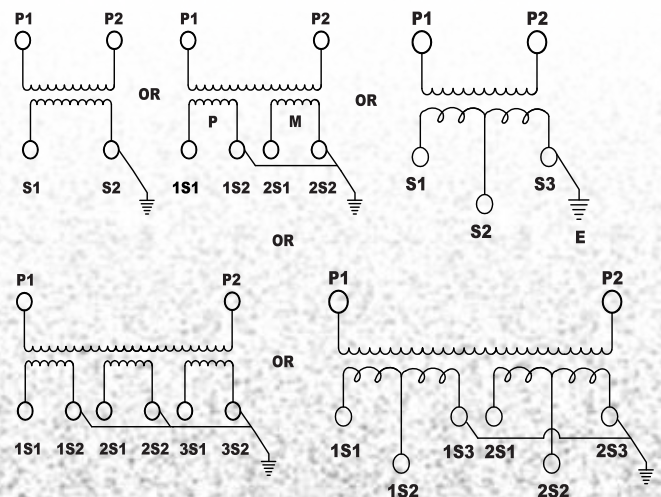
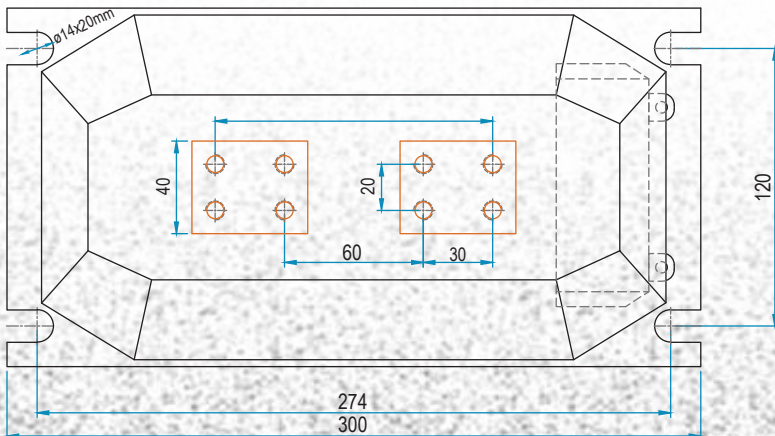
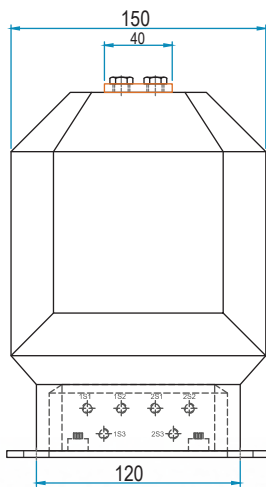
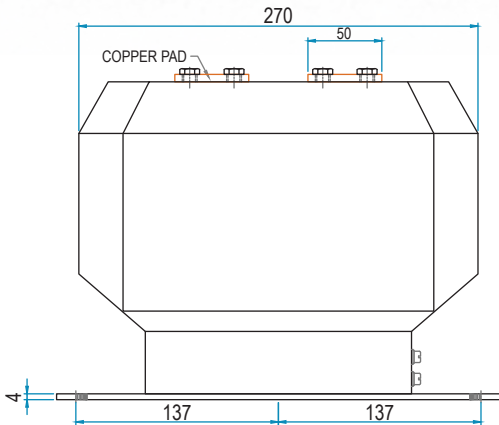
TECHNICAL DATA

Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 50	Up-to 40
25/1/1A to 1000/5/5A				
50:25/1A to 1000:500/5A				



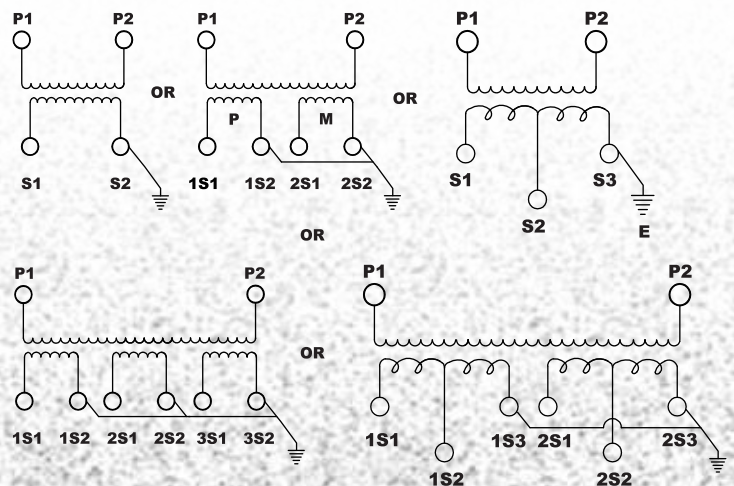
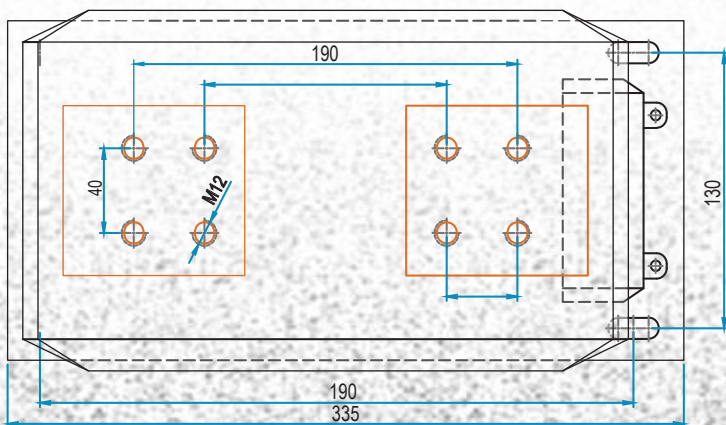
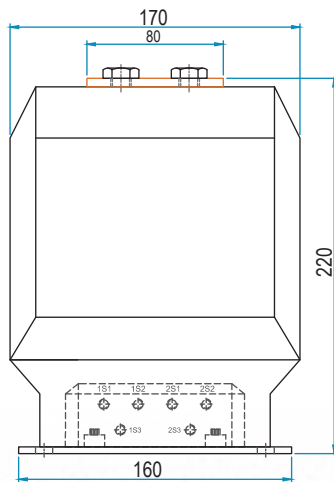
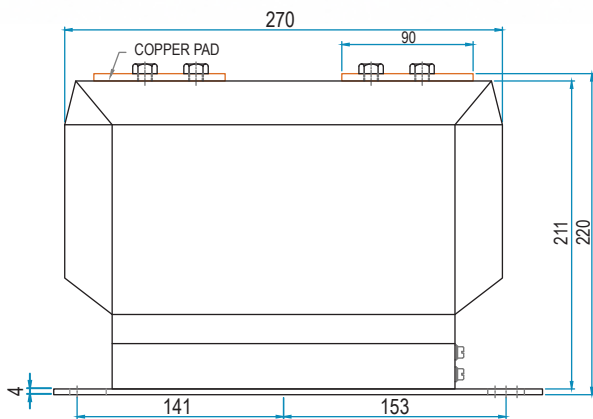
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Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 60	Up-to 40
25/1/1A to 1000/5/5A				
25/1/1/1A to 1000/5/5/5A				
50:25/1A to 1000:500/5A				
50:25/1/1A to 1000:500/5/5A				



TECHNICAL DATA

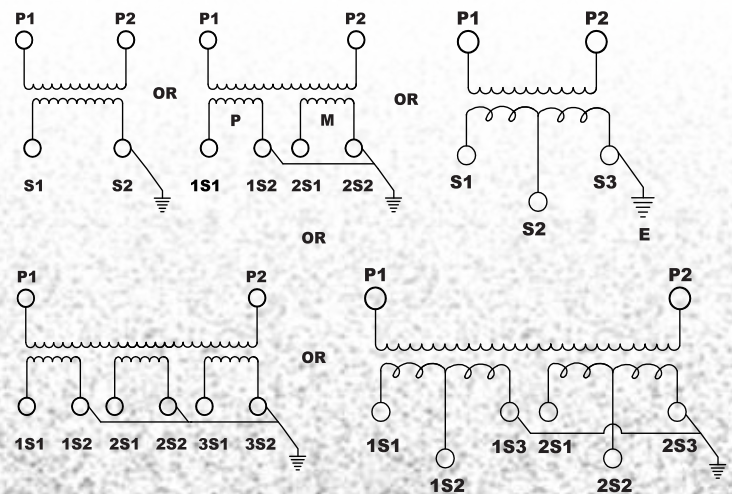
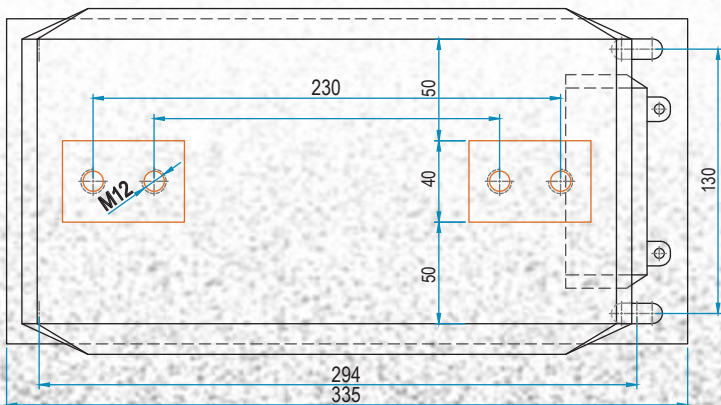
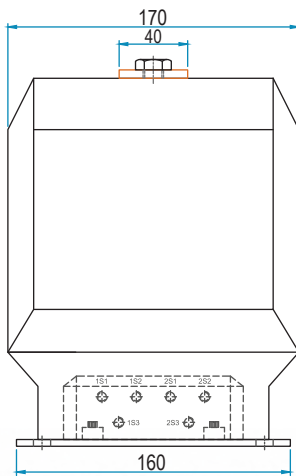
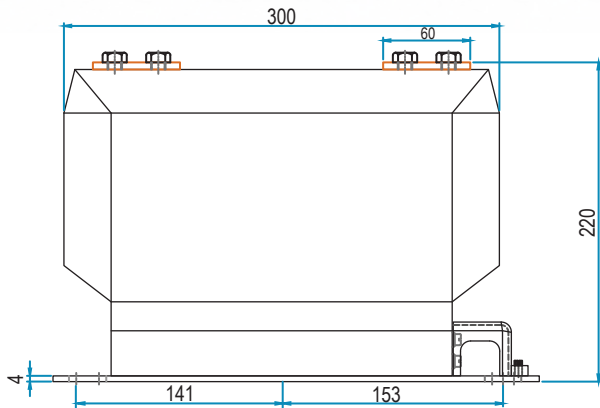
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3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
1000/1A to 3200/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 80	Up-to 40
1000/1/1A to 3200/5/5A				
1000/1/1/1A to 3200/5/5/5A				
1600:800/1A to 3200:1600/5A				
1600:800/1/1A to 3200:1600/5/5A				



MCT-04-B

TECHNICAL DATA

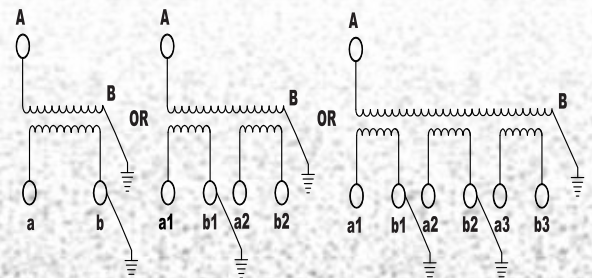
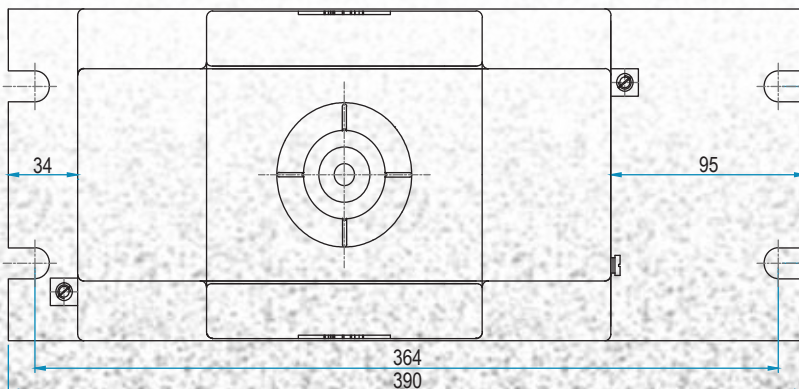
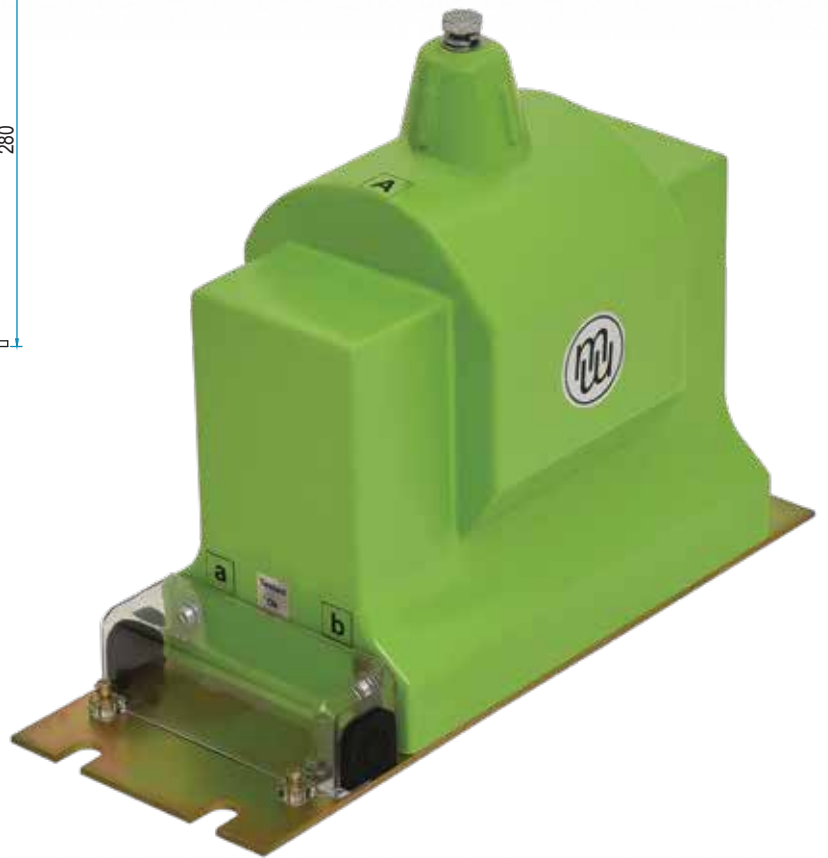
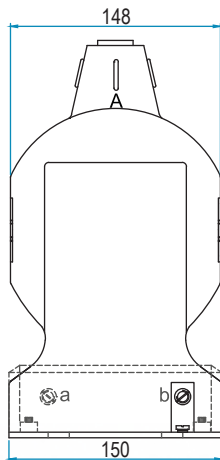
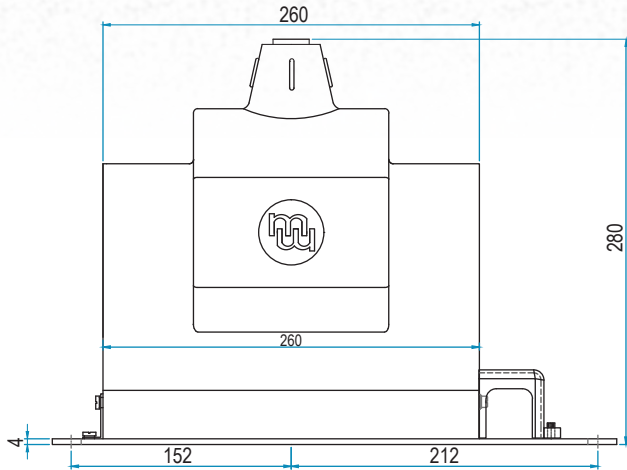
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 80	Up-to 40
25/1/1A to 1000/5/5A				
25/1/1/1A to 1000/5/5/5A				
50:25/1A to 1000:500/5A				
50:25/1/1A to 1000:500/5/5A				



MVT-05

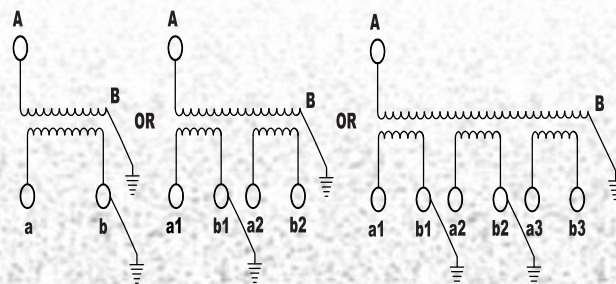
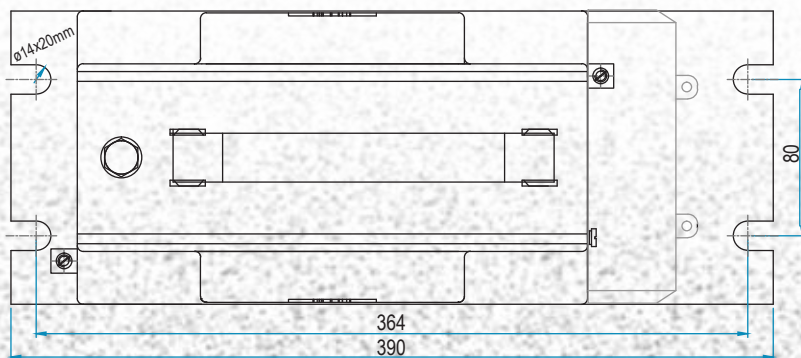
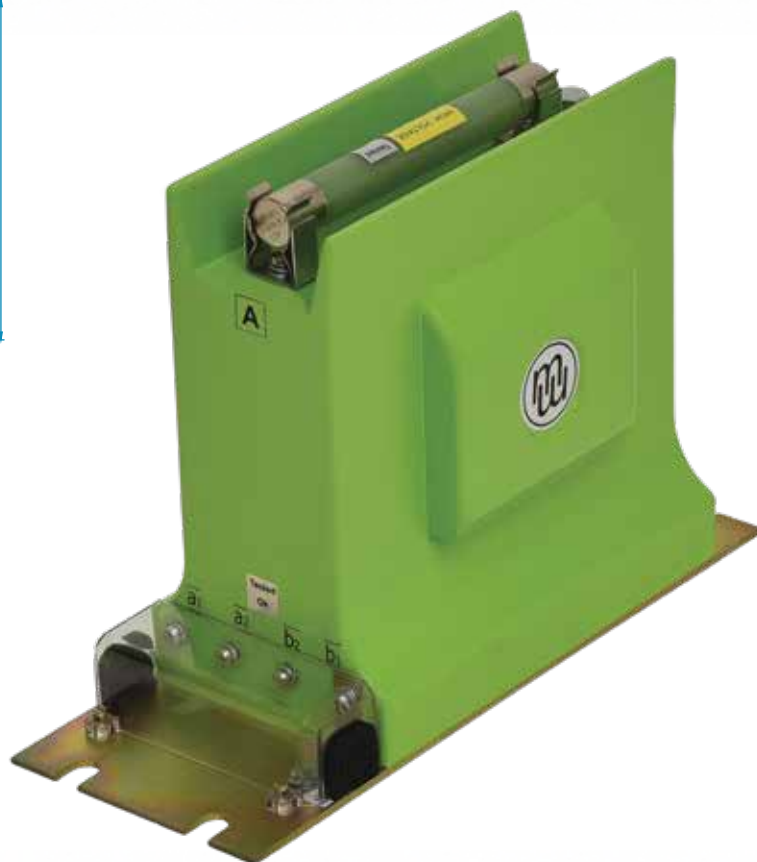
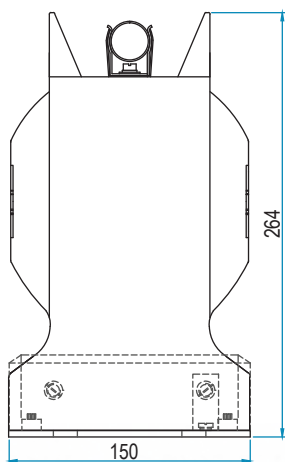
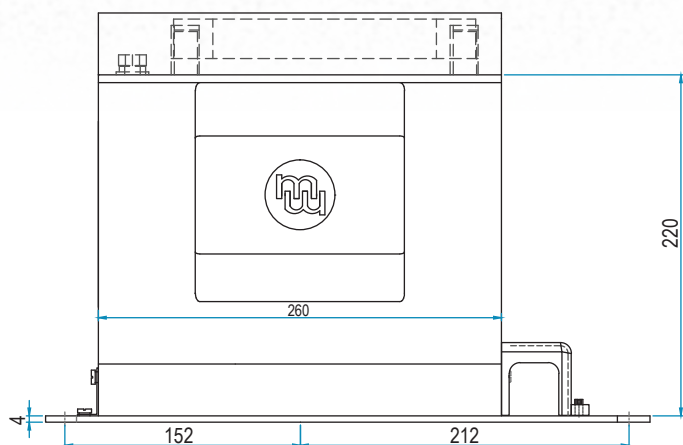
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Insulation Level	Frequency	WAPDA Spec.	International Spec.
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869
Ratio	M Class	P Class	VA
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$ to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$	1.0 to 0.1	3P & 6P	Up-to 300
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 110V/3			
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/ $\sqrt{3}$, 100/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 110V/ $\sqrt{3}$ 110V/3			



MVT-06

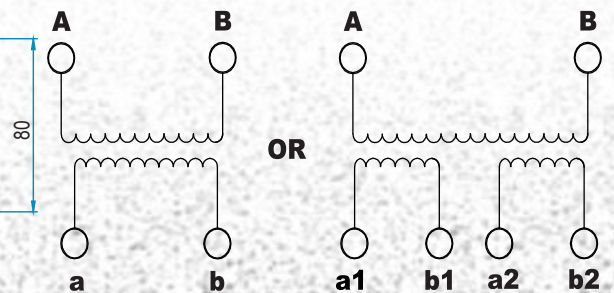
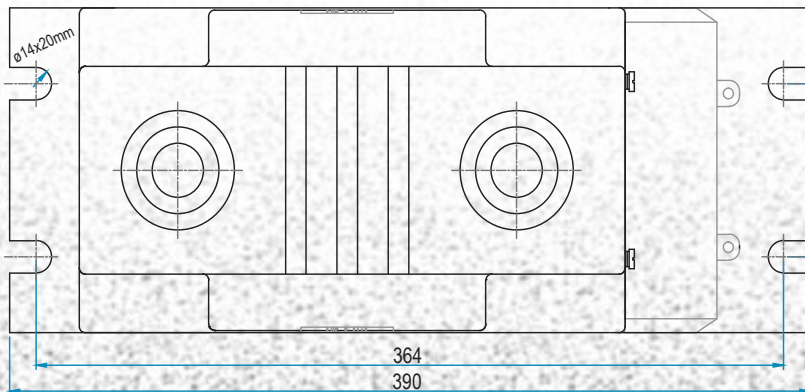
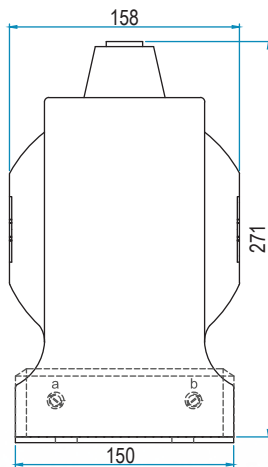
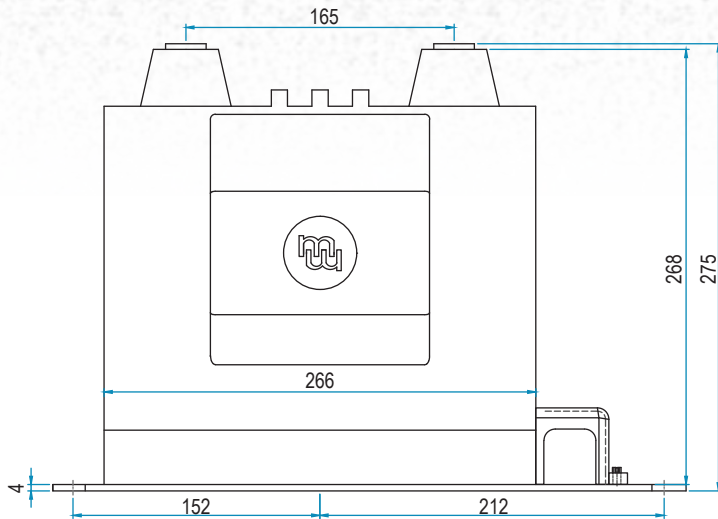
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Insulation Level	Frequency	WAPDA Spec.	International Spec.
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869
Ratio	M Class	P Class	VA
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$ to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$	1.0 to 0.1	3P & 6P	Up-to 300
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 110V/3			
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/ $\sqrt{3}$, 100V/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 110V/ $\sqrt{3}$, 110V/3			



MVT-07

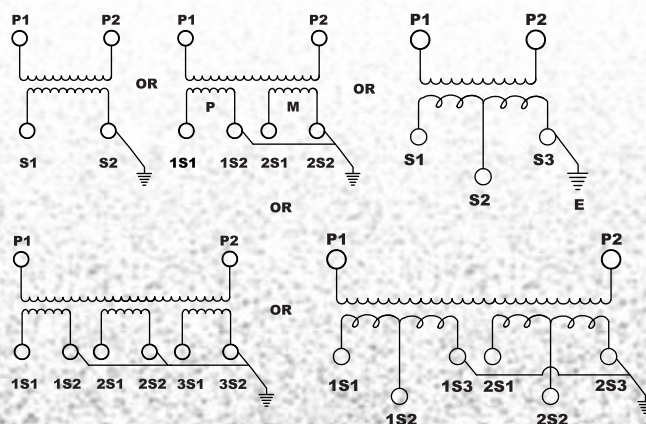
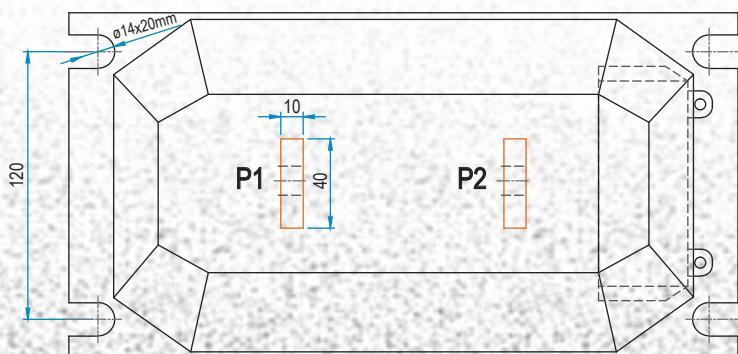
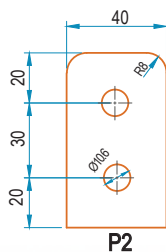
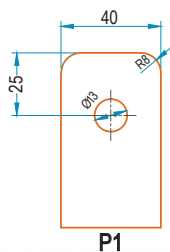
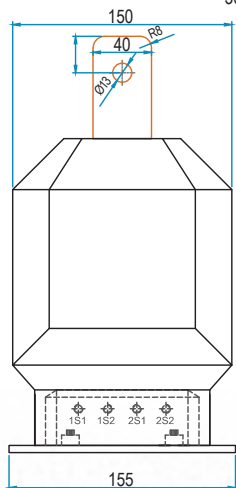
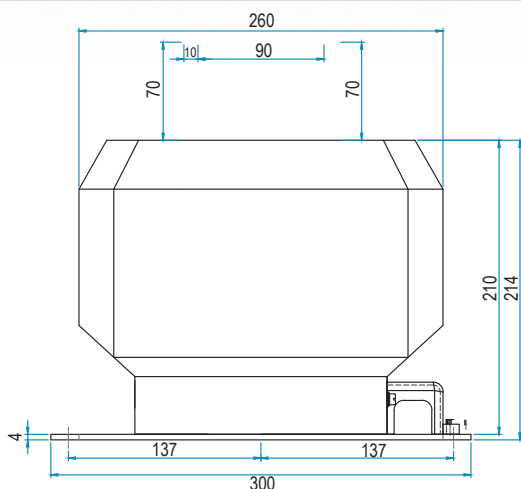
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Insulation Level	Frequency	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	IEC - 61869	
Ratio		M Class	VA
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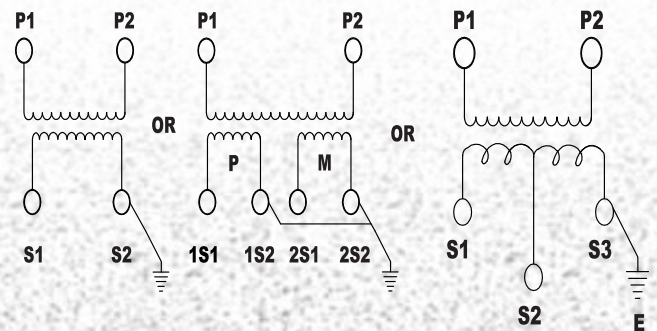
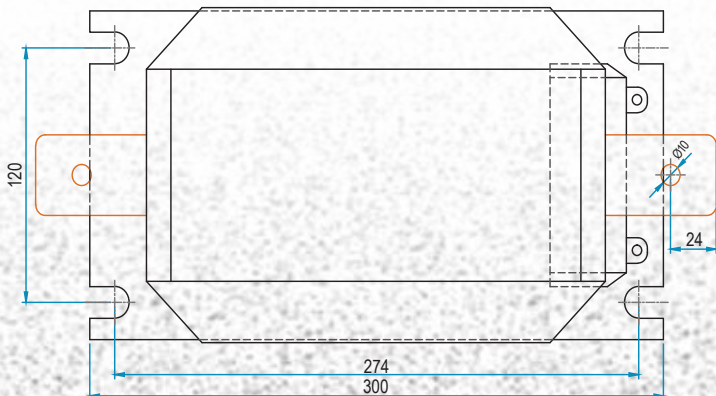
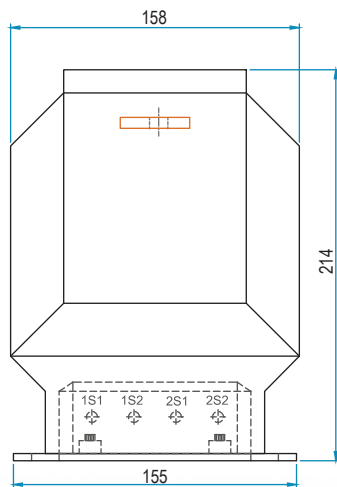
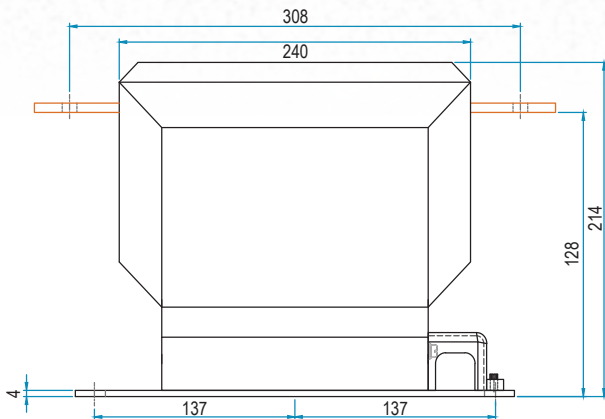
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Insulation Level	Frequency	K.E. Spec.	International Spec.	
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Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 60	Up-to 40
25/1/1A to 1000/5/5A				
25/1/1/1A to 1000/5/5/5A				
50:25/1A to 1000:500/5A				
50:25/1/1A to 1000:500/5/5A				



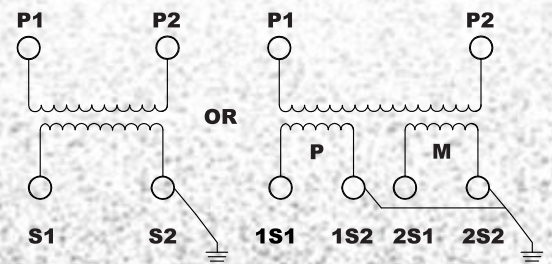
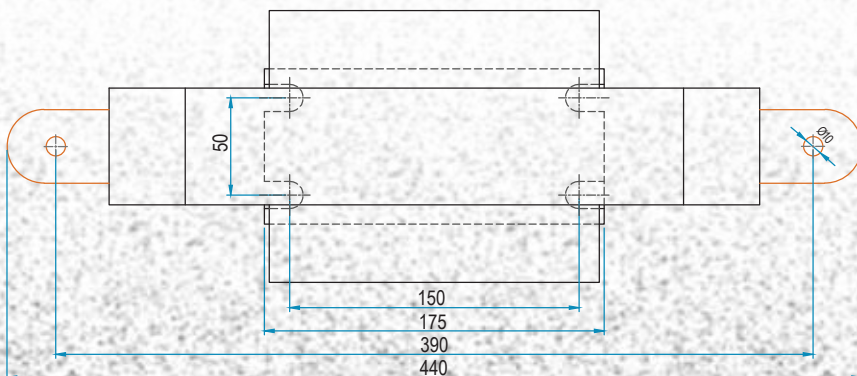
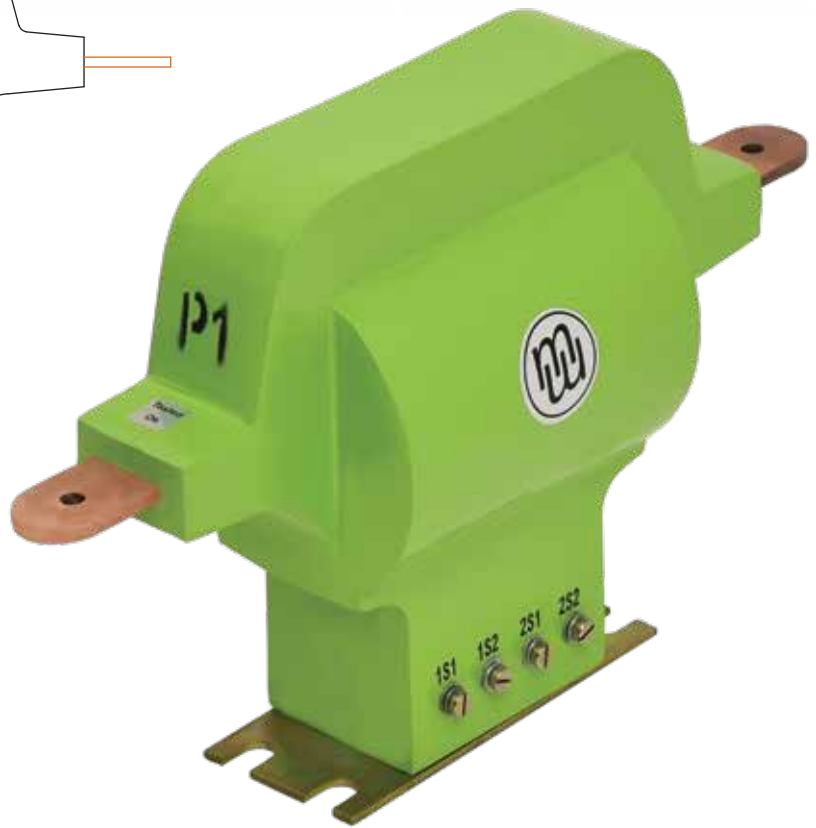
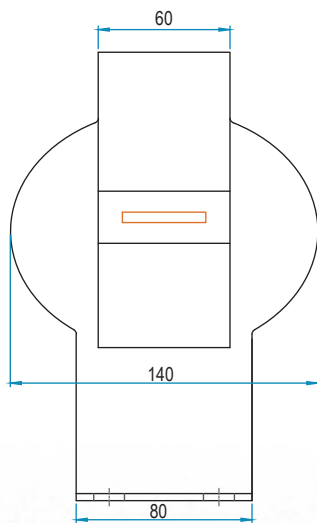
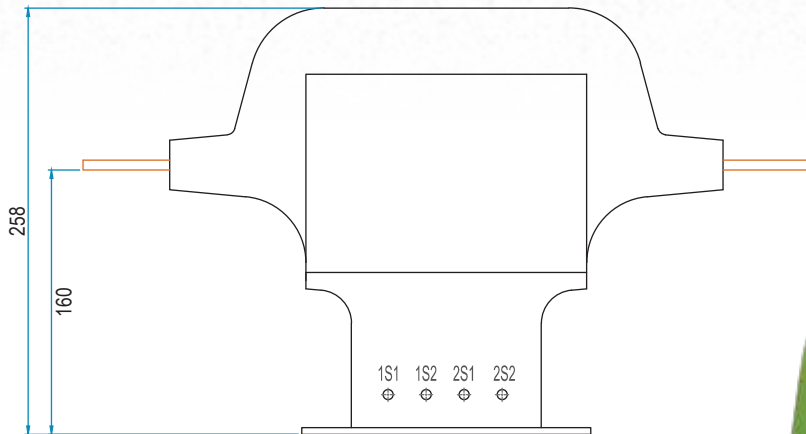
MCT-09

TECHNICAL DATA				
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Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 50	Up-to 40
25/1/1A to 1000/5/5A				
50:25/1A to 1000:500/5A				



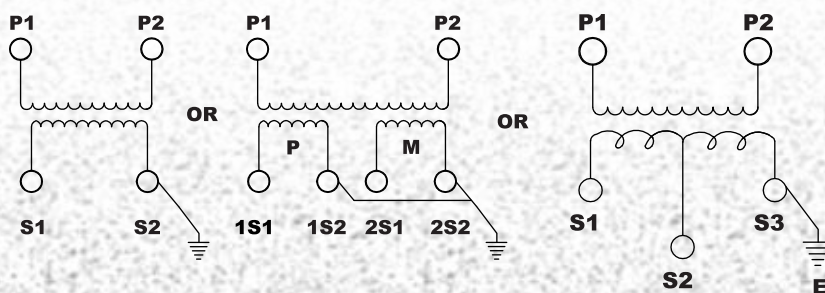
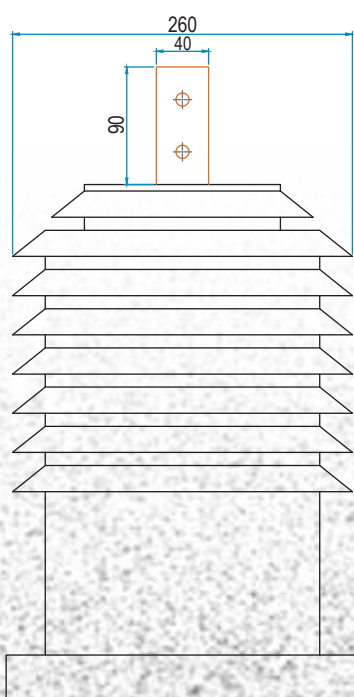
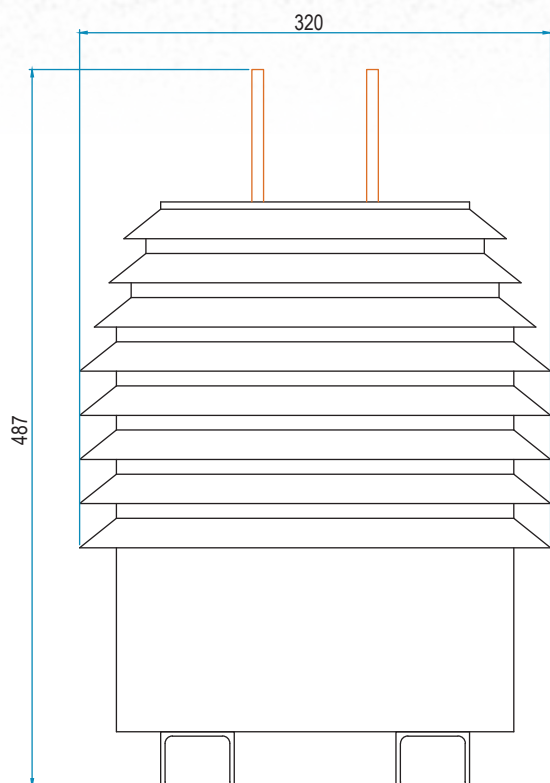
MCT-10

TECHNICAL DATA				
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to	5 P10 to	Up-to 40	Up-to 40
25/1/1A to 1000/5/5 A	1.0 M10	10 P10		



MCT-11

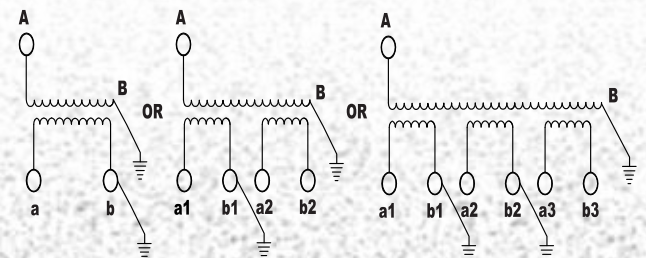
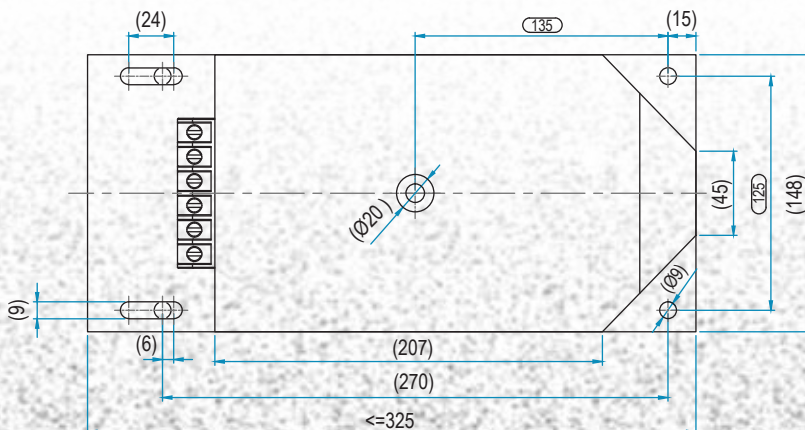
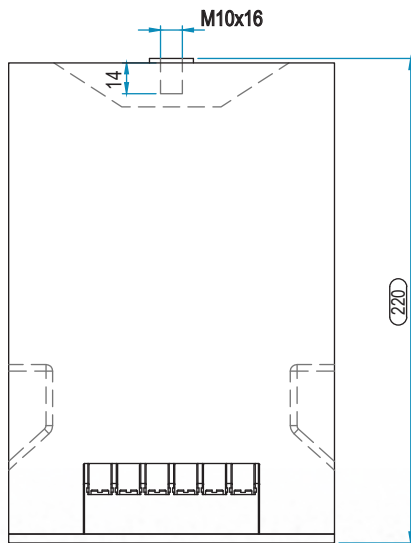
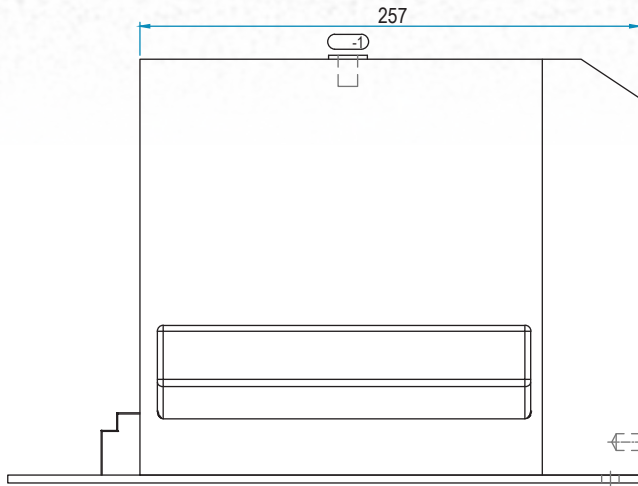
TECHNICAL DATA				
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 400/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 40	Up-to 30
25/1/1A to 400/5/5A				



MVT-12

TECHNICAL DATA

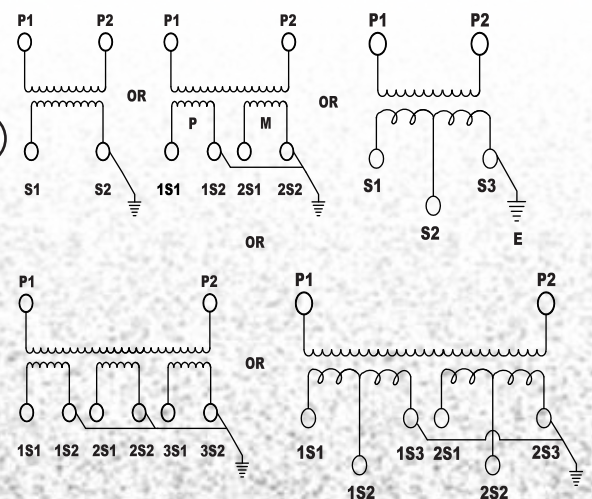
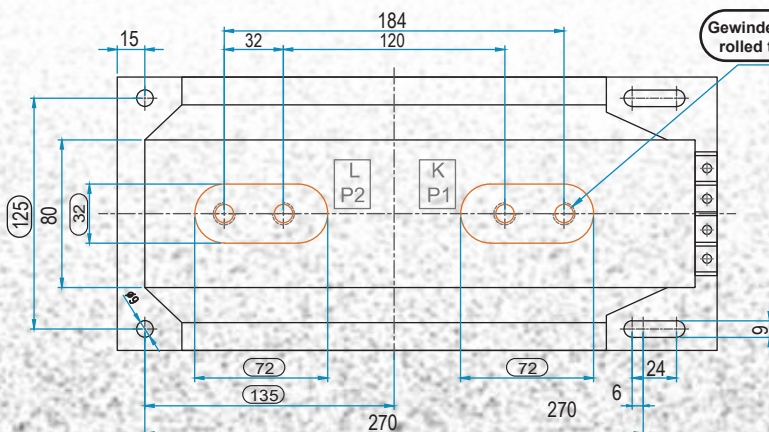
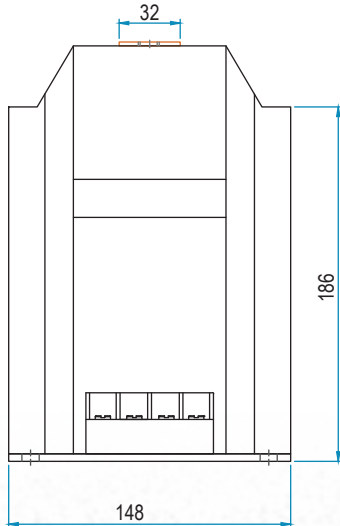
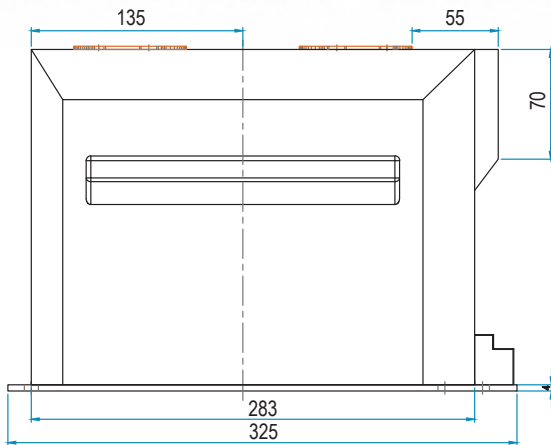
Insulation Level	Frequency	WAPDA Spec.	International Spec.
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869
Ratio	M Class	P Class	VA
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$ to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$	1.0 to 0.1	3P & 6P	Up-to 300
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 100V/3			
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/ $\sqrt{3}$, 100/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 110V/ $\sqrt{3}$ 100V/3			



MCT-13

TECHNICAL DATA

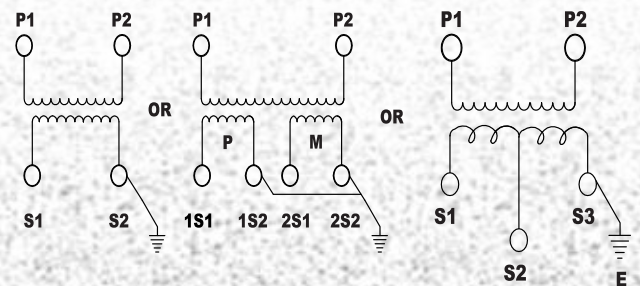
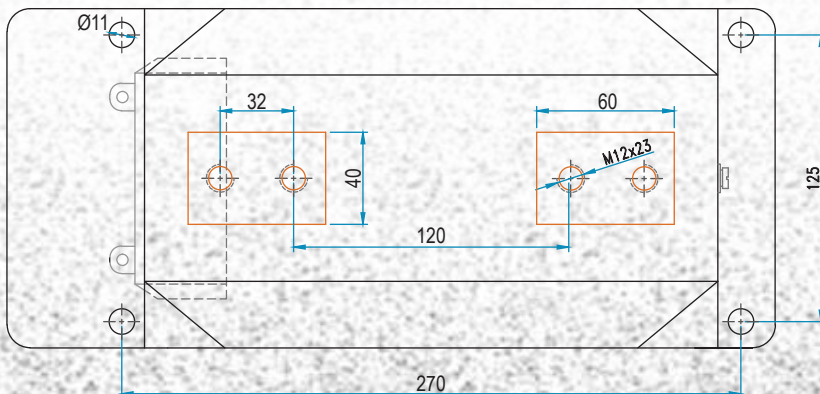
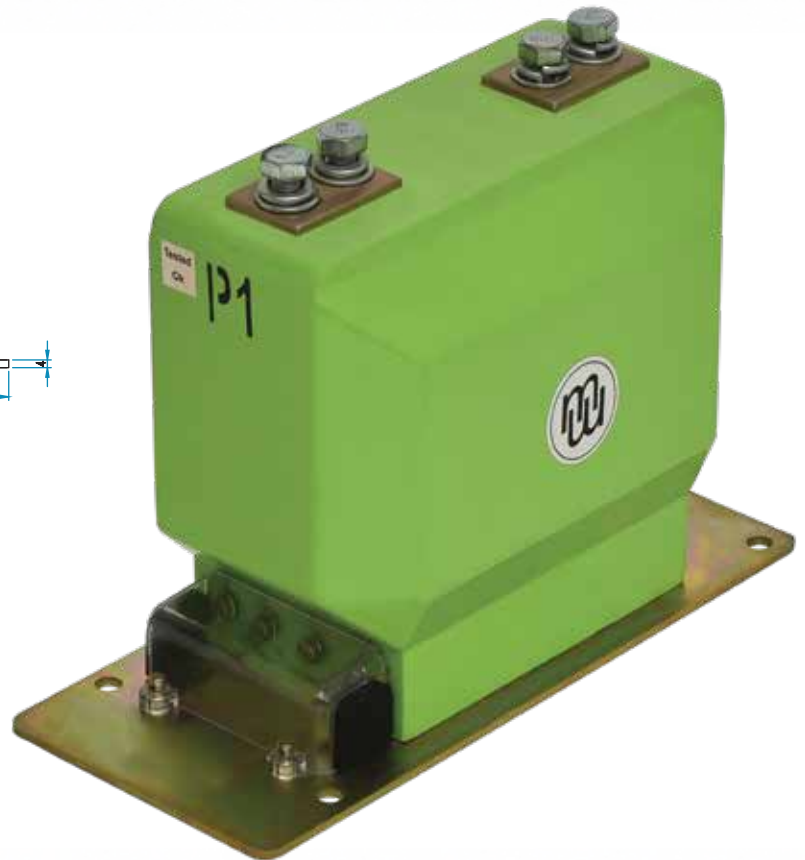
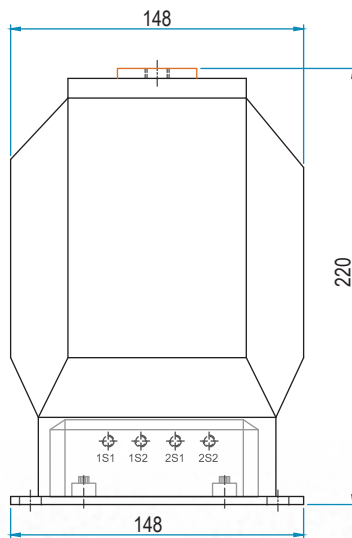
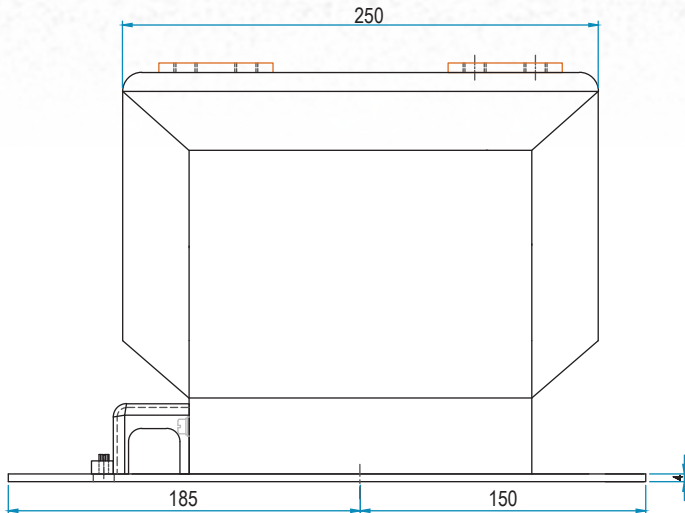
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 800/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 60	Up-to 40
25/1/1/1A to 800/5/5/5A				
50:25/1A to 800:400/5A				
50:25/1/1A to 800:400/5/5A				



MCT-14

TECHNICAL DATA

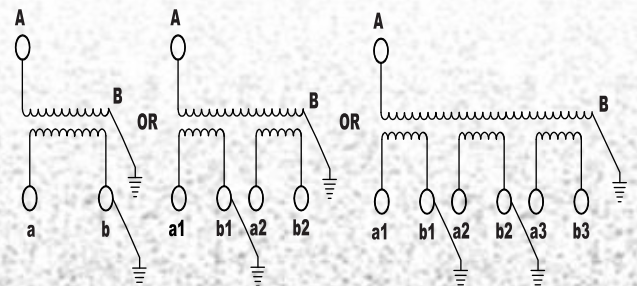
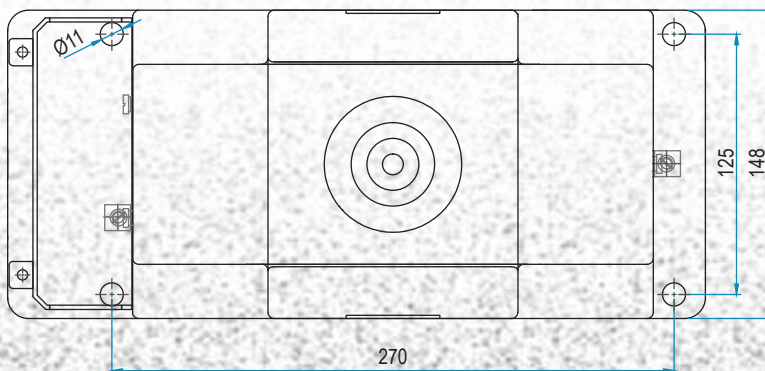
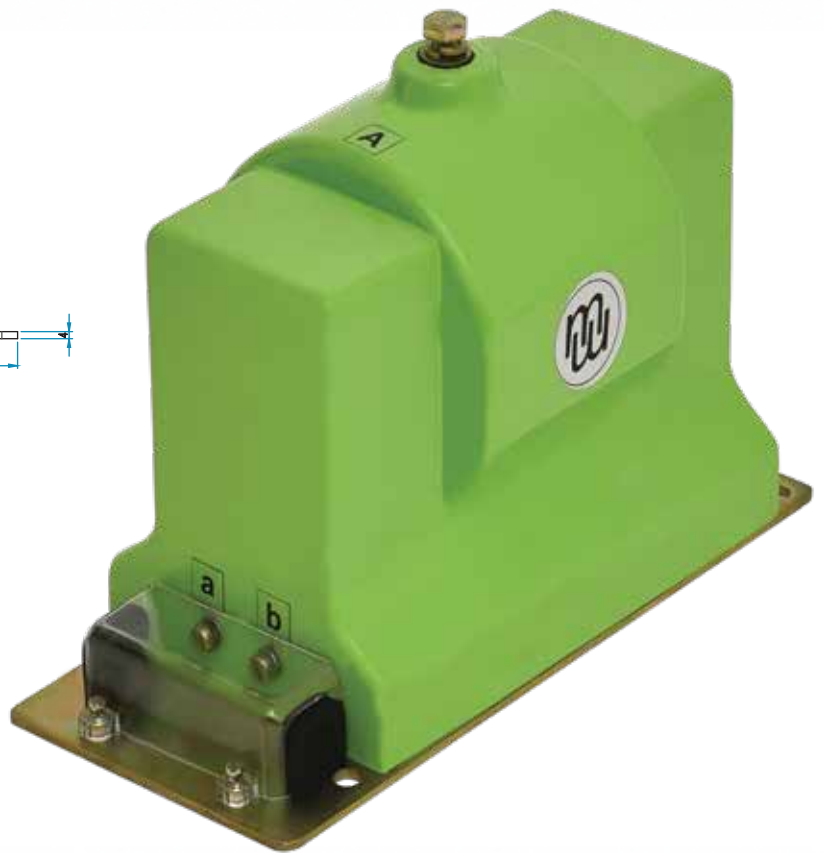
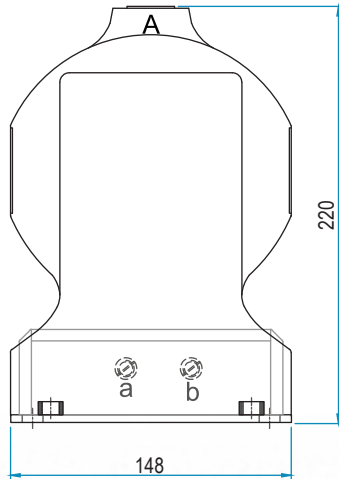
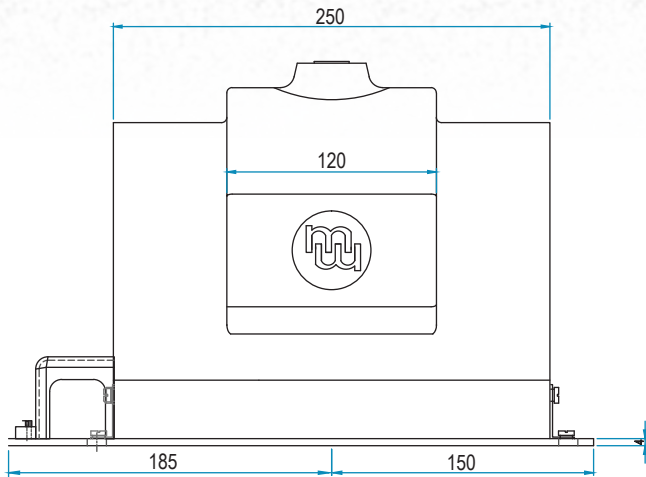
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 50	Up-to 40
25/1/1A to 1000/5/5A				
50:25/1A to 1000:400/5A				



MVT-15

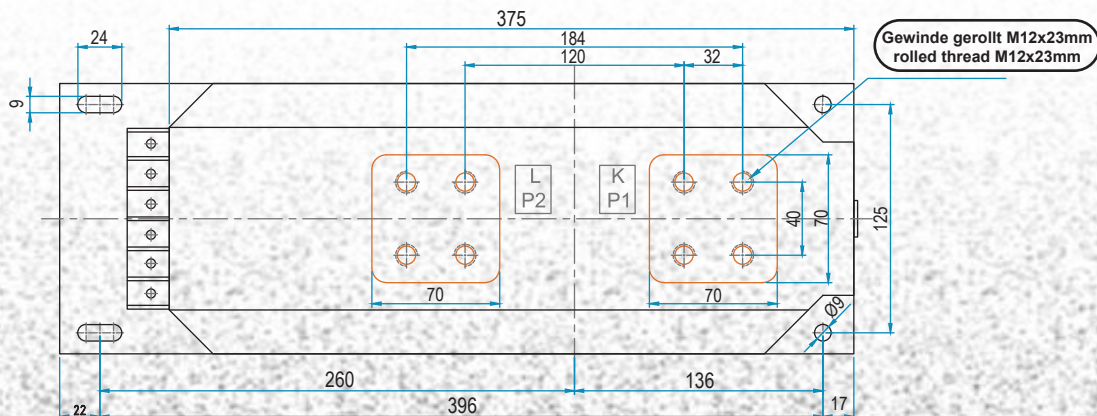
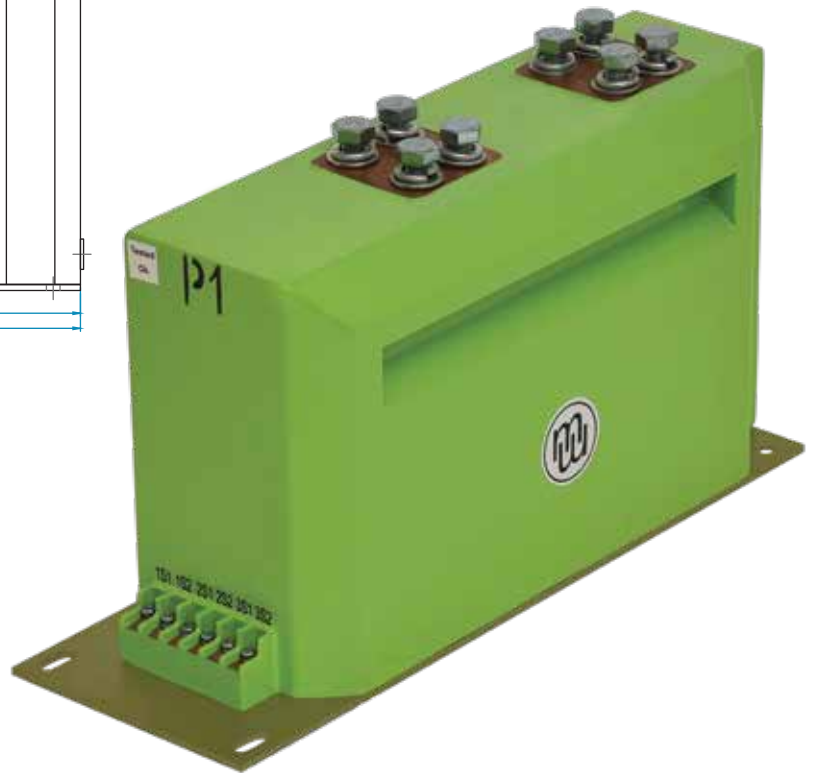
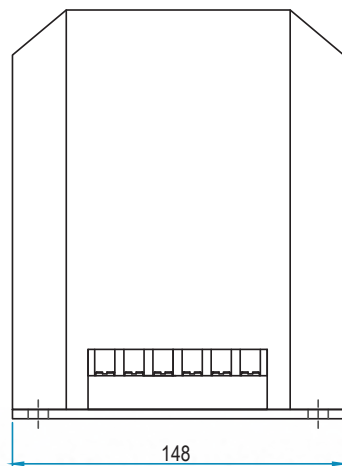
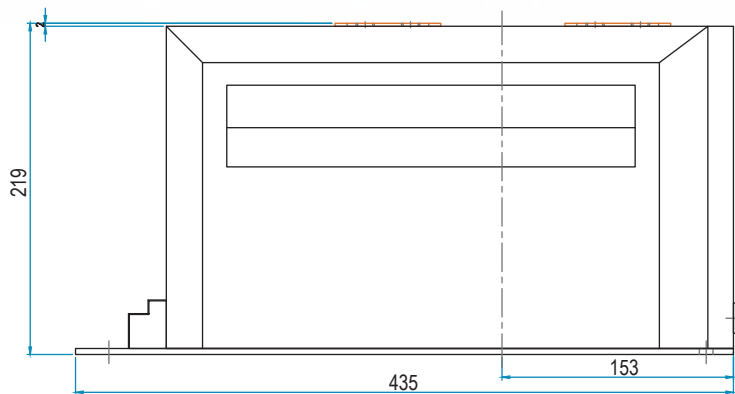
TECHNICAL DATA

Insulation Level	Frequency	WAPDA Spec.	International Spec.
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869
Ratio	M Class	P Class	VA
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$ to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$	1.0 to 0.1	3P & 6P	Up-to 300
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 100V/3			
3.3KV/ $\sqrt{3}$ / 100V/ $\sqrt{3}$, 100V/ $\sqrt{3}$, 100/3 to 24KV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$, 110V/ $\sqrt{3}$ 100V/3			



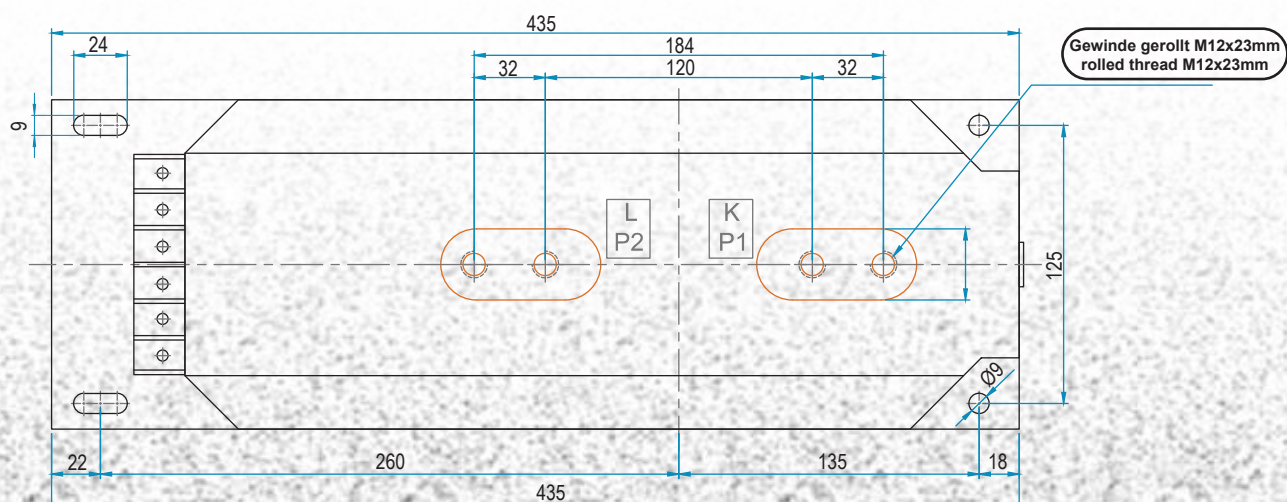
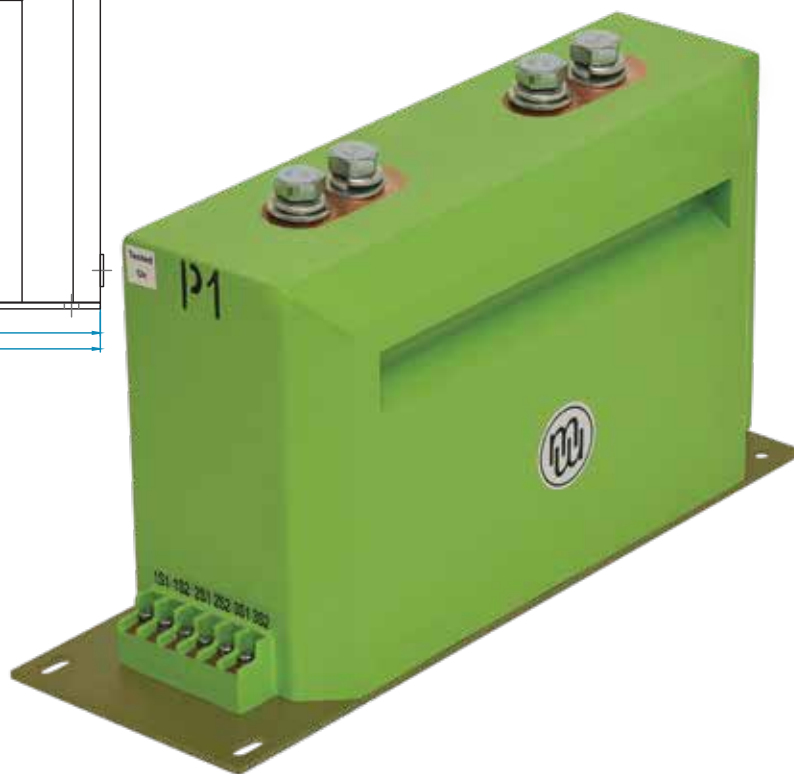
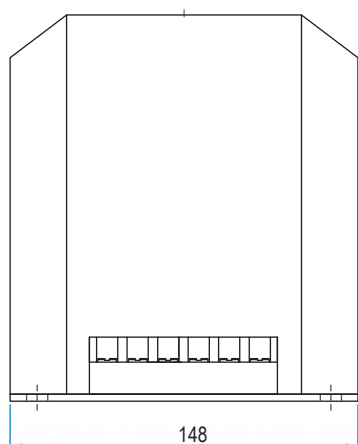
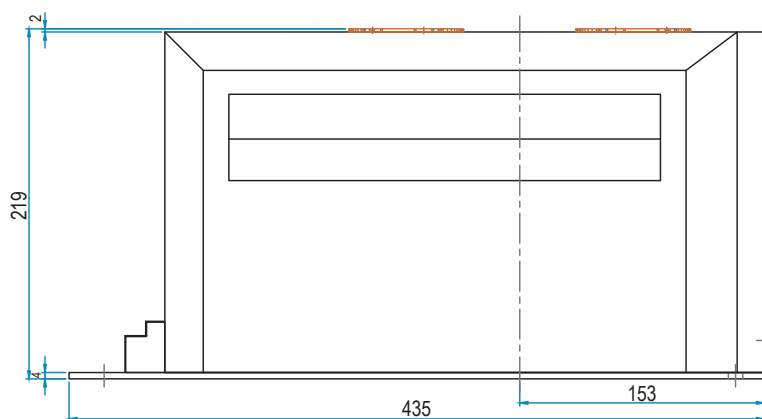
MCT-16

TECHNICAL DATA				
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
1200/1A to 2500/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 60	Up-to 40
1200/1/1A to 2500/5/5A				
1200/1/1/1A to 2500/5/5/5A				



MCT-17

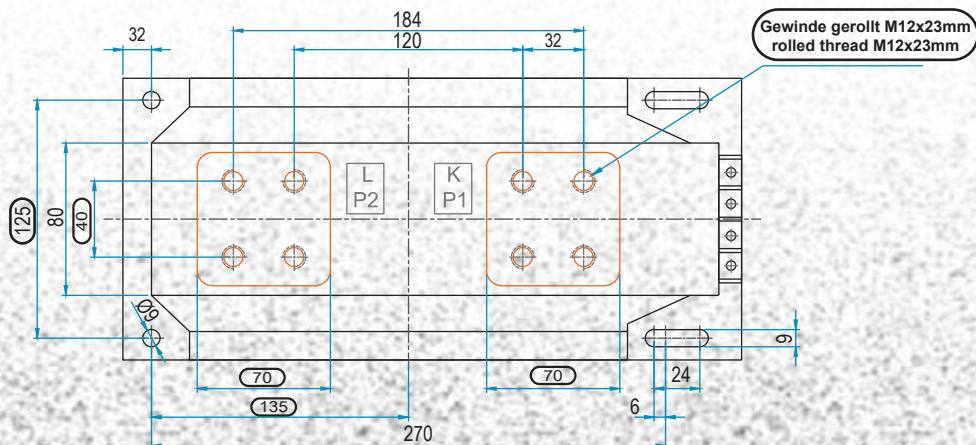
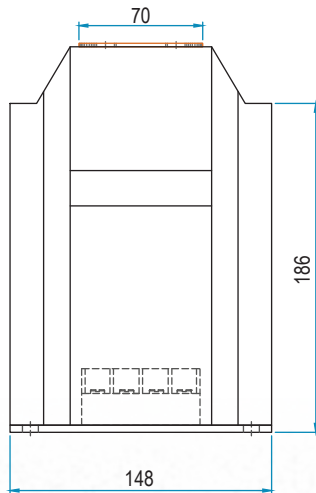
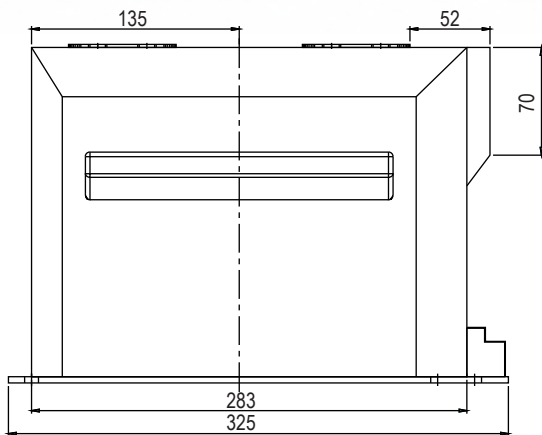
TECHNICAL DATA				
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
25/1A to 1000/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 80	Up-to 60
25/1/1A to 1000/5/5A				
50:25/1A to 1000:500/5A				



MCT-18

TECHNICAL DATA

Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA
1200/1A to 2500/5A	0.1 M5 to 1.0 M10	5 P10 to 10 P20	Up-to 60	Up-to 40
1200/1/1A to 2500/5/5A				
1200/1/1/1A to 2500/5/5/5A				



TECHNICAL DATA				
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA

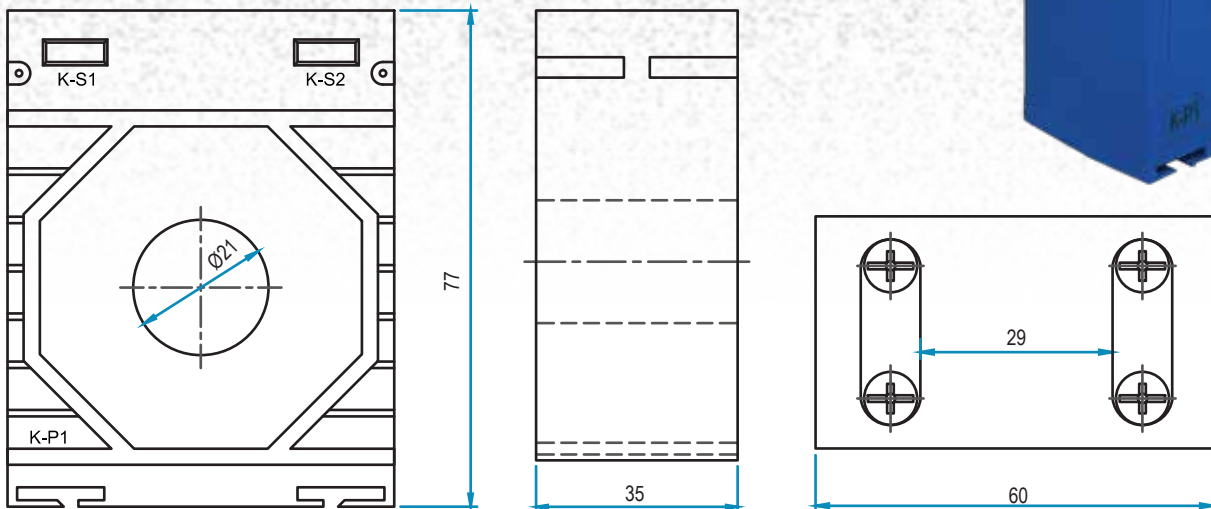
TECHNICAL DATA				
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA

3Phase PT

TECHNICAL DATA				
Insulation Level	Frequency	WAPDA Spec.	International Spec.	
3.6/10/40 KV to 24/50/125 KV	50/60 Hz	P-44: 2018	IEC - 61869	
Ratio	M Class	P Class	VA	I_{TH} KA

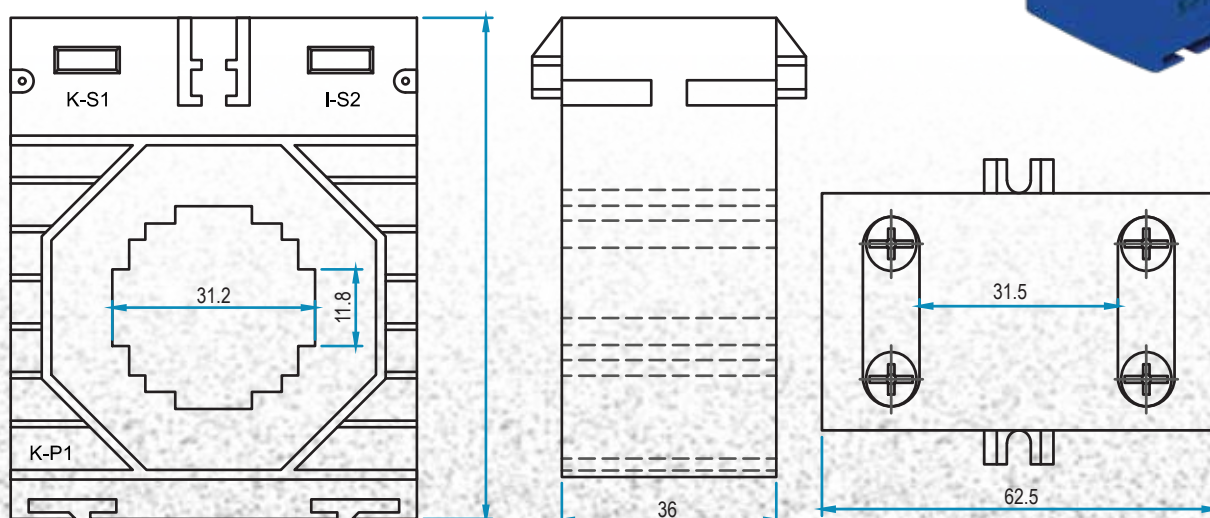
LVP-20

TECHNICAL DATA				Product Code LVP-20
Sr. No.	Ratio	Class	VA	
1.	30/5 A	1	1.25	
2.	60/5 A	1	1.25	
3.	100/5 A	0.5	1.25	



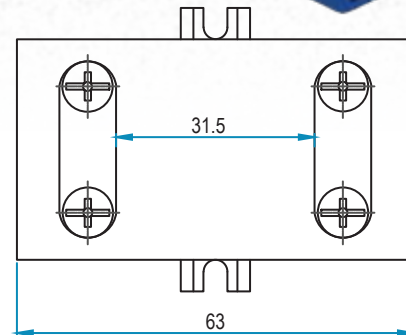
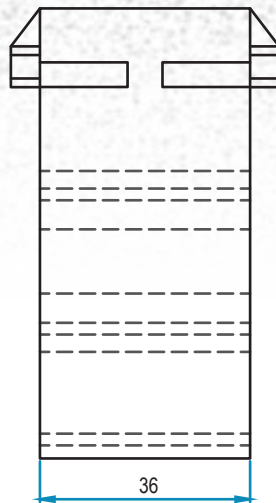
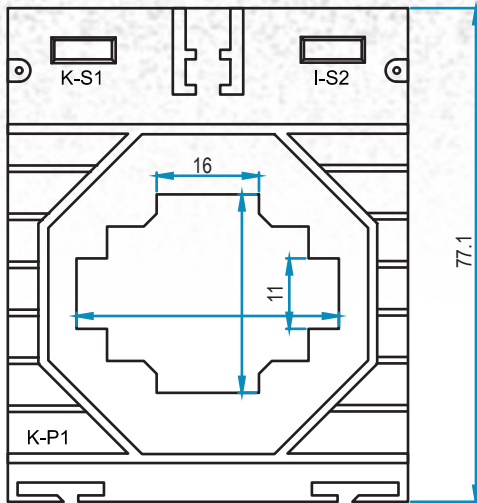
LVP-30

TECHNICAL DATA				Product Code LVP-30
Sr. No.	Ratio	Class	VA	
1.	100/5 A	0.5	1.25	
2.	150/5 A	0.5	1.25	
3.	200/5 A	0.5	2.5	
4.	250/5 A	0.5	2.5	
5.	300/5 A	0.5	5	
6.	400/5 A	0.5	5	



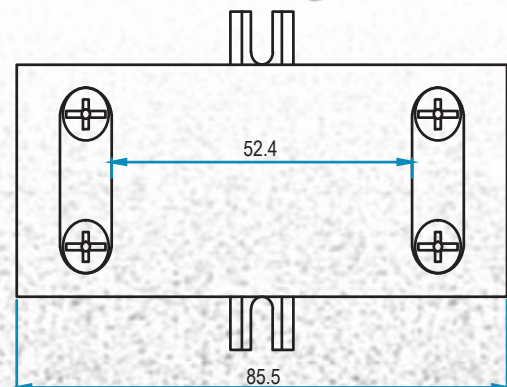
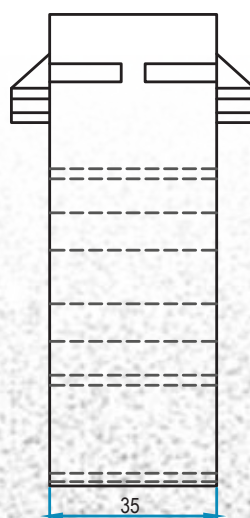
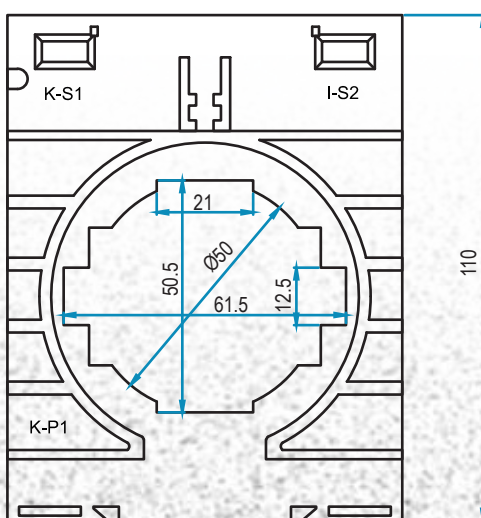
LVP-40

TECHNICAL DATA				Product Code LVP-40
Sr. No.	Ratio	Class	VA	
1.	300/5 A	0.5	2.5	
2.	400/5 A	0.5	5	
3.	500/5 A	0.5	7.5	
4.	600/5 A	0.5	7.5	



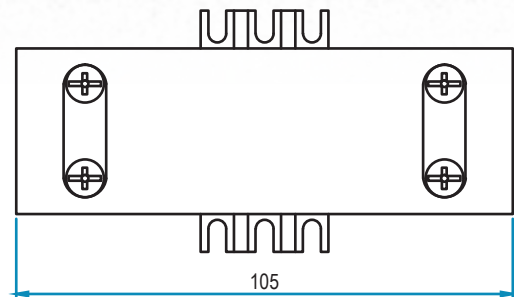
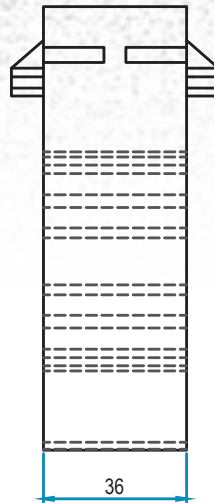
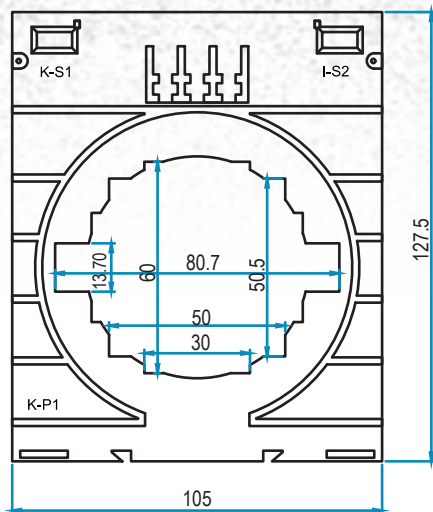
LVP-60

TECHNICAL DATA				Product Code LVP-60
Sr. No.	Ratio	Class	VA	
1.	500/5 A	0.5	5	
2.	600/5 A	0.5	5	
3.	700/5 A	0.5	5	
4.	800/5 A	0.5	7.5	



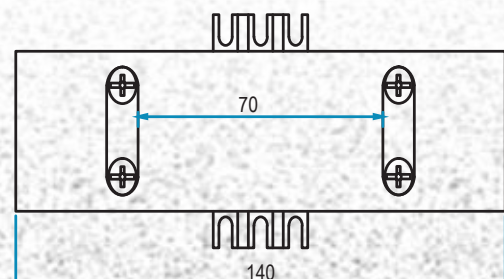
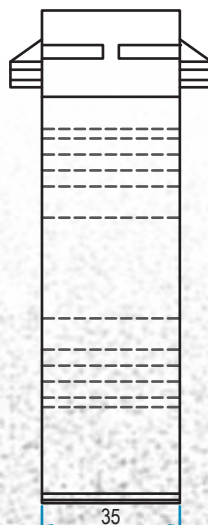
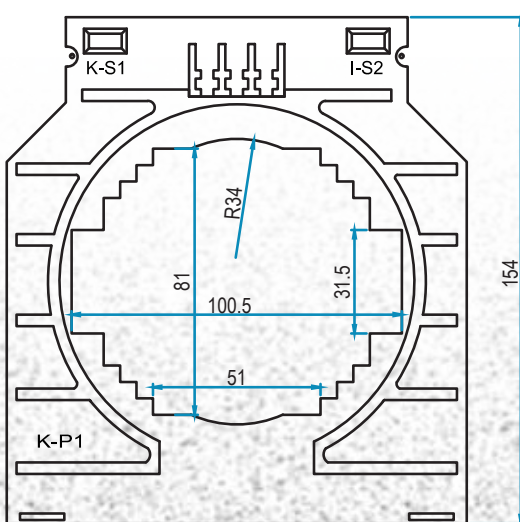
LVP-80

TECHNICAL DATA				Product Code LVP-80
Sr. No.	Ratio	Class	VA	
1.	700/5 A	0.5	5	
2.	800/5 A	0.5	5	
3.	1000/5 A	0.5	10	
4.	1200/5 A	0.5	10	



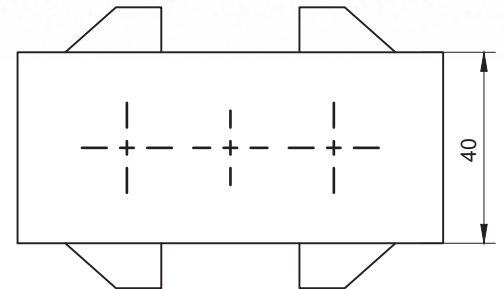
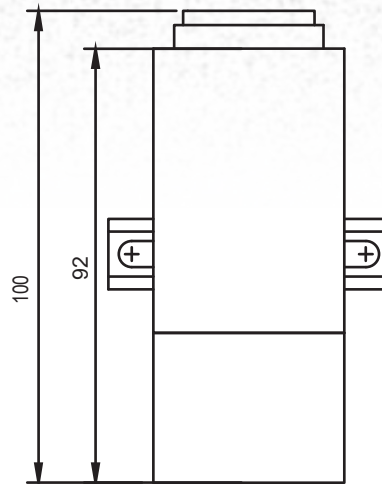
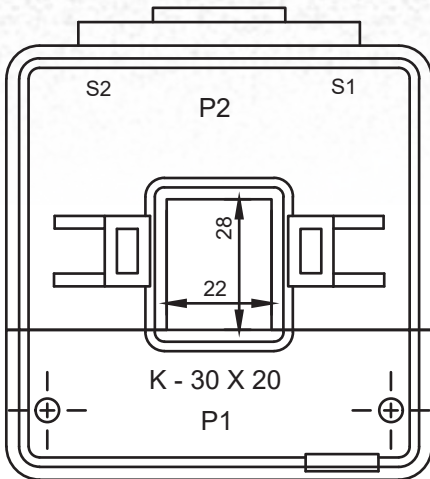
LVP-100

TECHNICAL DATA				Product Code LVP-100
Sr. No.	Ratio	Class	VA	
1.	700/5 A	0.5	5	
2.	800/5 A	0.5	5	
3.	1000/5 A	0.5	10	
4.	1200/5 A	0.5	10	



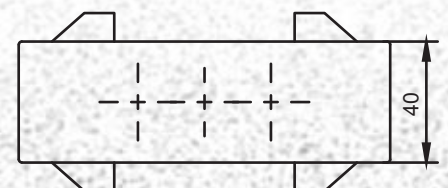
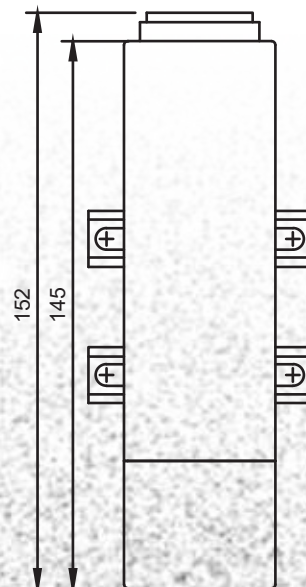
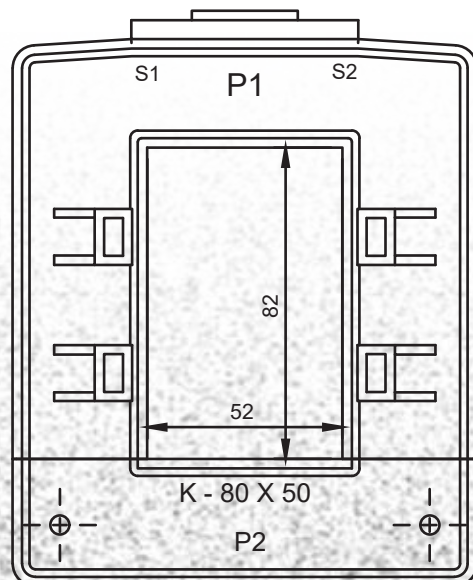
LVS-20x30

TECHNICAL DATA				Product Code LVS - 20x30
Sr. No.	Ratio	Class	VA	
1.	100/5 A	1.0	1.0	
2.	150/5 A	1.0	1.0	
3.	200/5 A	1.0	1.0	
4.	250/5 A	1.0	1.0	
5.	300/5 A	0.5	1.0	
6.	400/5 A	0.5	2.5	



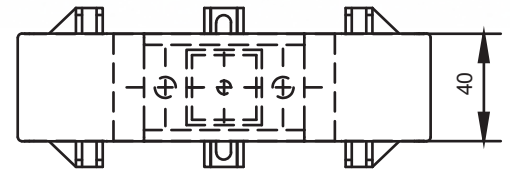
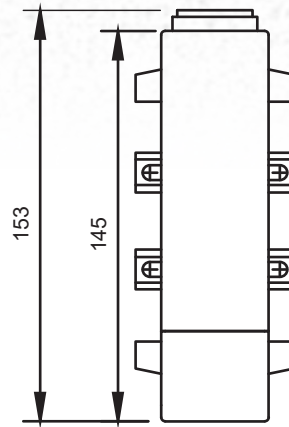
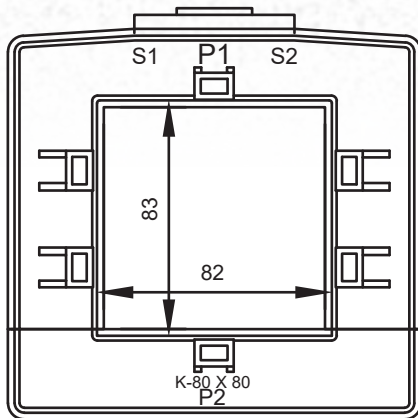
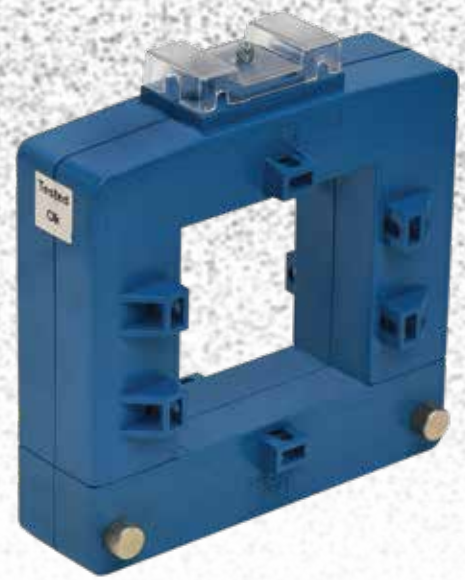
LVS-50x80

TECHNICAL DATA				Product Code LVS - 50x80
Sr. No.	Ratio	Class	VA	
1.	250/5 A	1.0	1.0	
2.	300/5 A	1.0	1.0	
3.	400/5 A	0.5	1.5	
4.	600/5 A	0.5	2.5	
5.	800/5 A	0.5	3.75	
6.	1000/5 A	0.5	5.0	



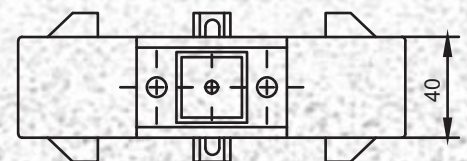
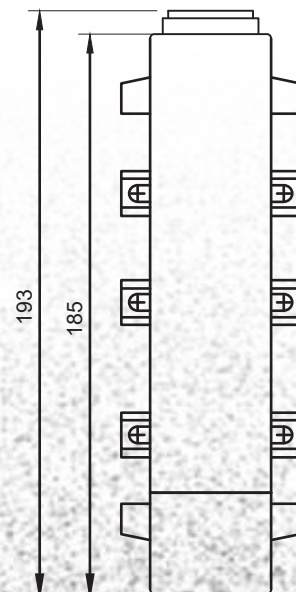
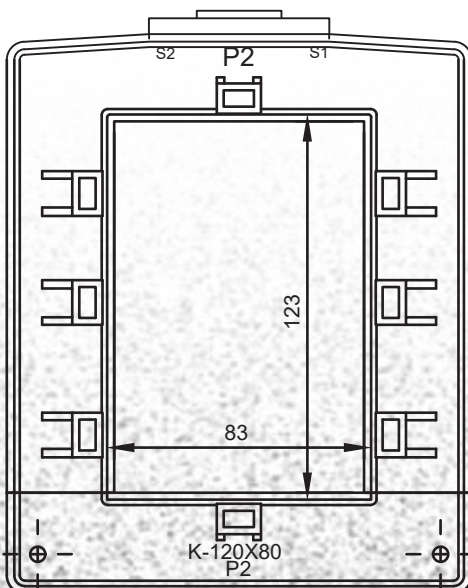
LVS-80x80

TECHNICAL DATA				Product Code LVS - 80x80
Sr. No.	Ratio	Class	VA	
1.	250/5 A	1.0	1.0	
2.	300/5 A	1.0	1.0	
3.	400/5 A	1.0	1.0	
4.	600/5 A	0.5	1.5	
5.	800/5 A	0.5	3.75	
6.	1000/5 A	0.5	7.50	

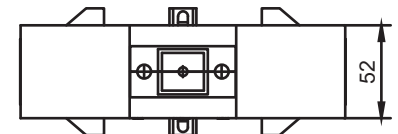


LVS-120x80

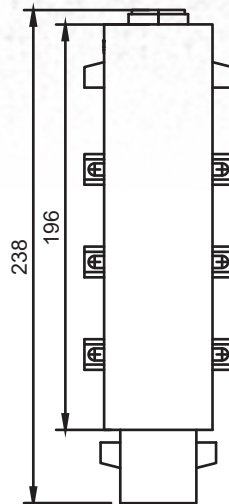
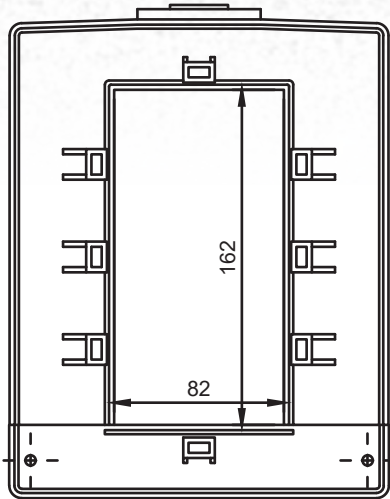
TECHNICAL DATA				Product Code LVS - 120x80
Sr. No.	Ratio	Class	VA	
1.	600/5 A	1.0	1.0	
2.	800/5 A	0.5	2.5	
3.	1000/5 A	0.5	5.0	
4.	1200/5 A	0.5	5.0	
5.	1600/5 A	0.5	5.0	



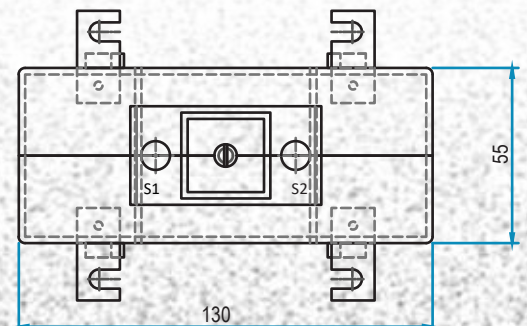
LVS-80x160



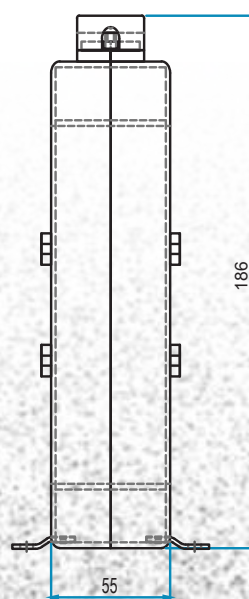
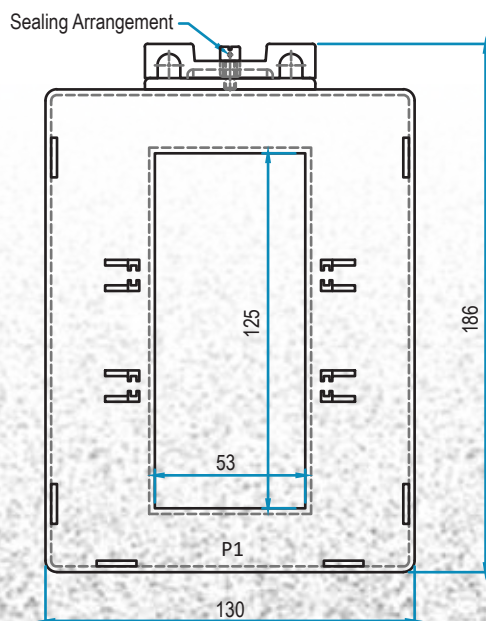
TECHNICAL DATA				Product Code LVS - 80x160
Sr. No.	Ratio	Class	VA	
1.	1000/5 A	0.5	5.0	
2.	2000/5 A	0.5	7.5	
3.	2500/5 A	5.0	15	
4.	3000/5 A	5.0	20	
5.	4000/5 A	0.5	20	
6.	5000/5 A	0.5	20	
7.	6000/5 A	0.5	20	



LVK-125



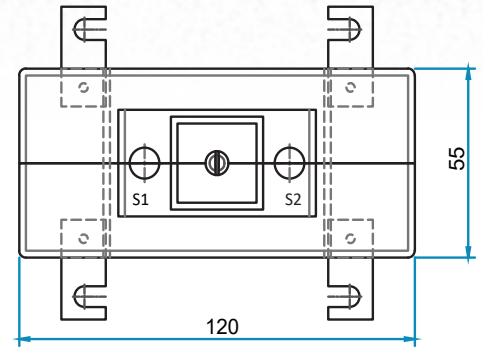
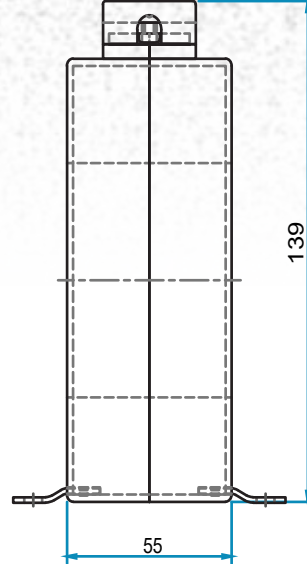
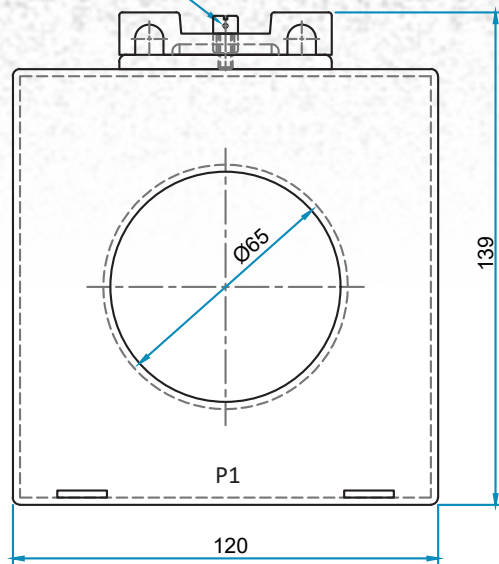
TECHNICAL DATA				Product Code LVK-125
Sr. No.	Ratio	Class	VA	
1.		0.5	5	
2.		0.5	5	
3.		0.5	10	
4.		0.5	10	



LVK- 65

TECHNICAL DATA				Product Code LVK-65
Sr. No.	Ratio	Class	VA	
1.		0.5	5	
2.		0.5	5	
3.		0.5	10	
4.		0.5	10	

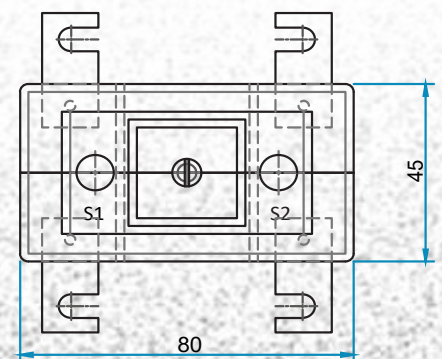
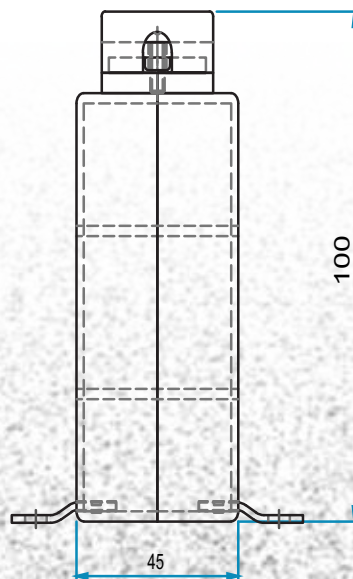
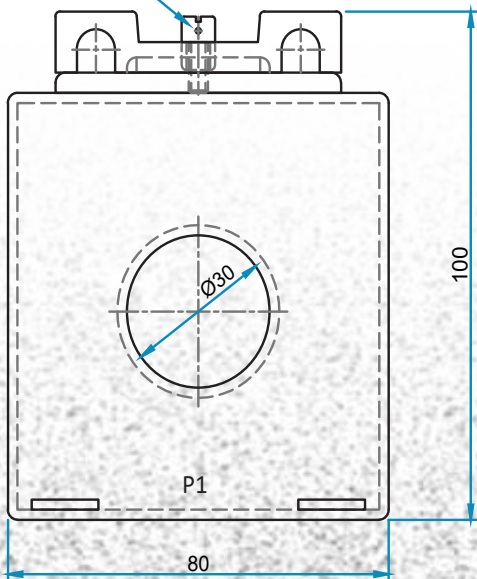
Sealing Arrangement



LVK- 35

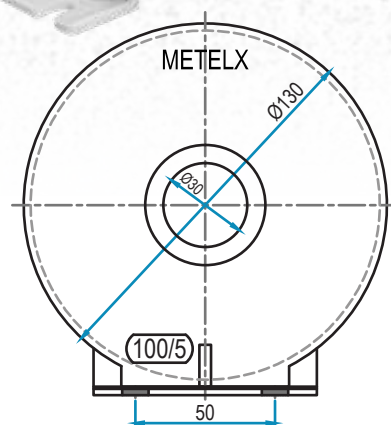
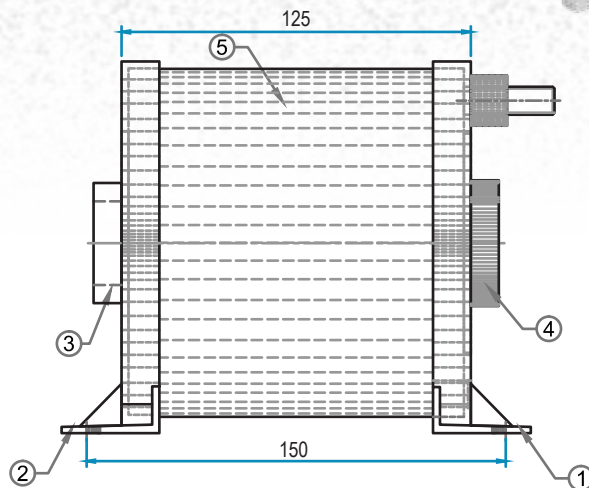
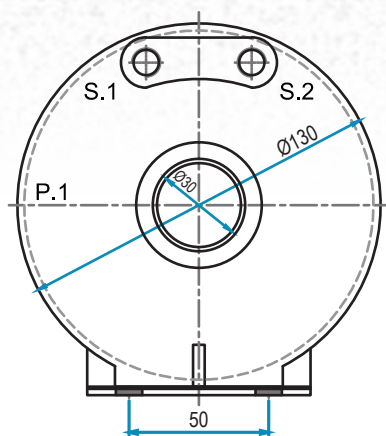
TECHNICAL DATA				Product Code LVK-30
Sr. No.	Ratio	Class	VA	
1.		0.5	5	
2.		0.5	5	
3.		0.5	10	
4.		0.5	10	

Sealing Arrangement



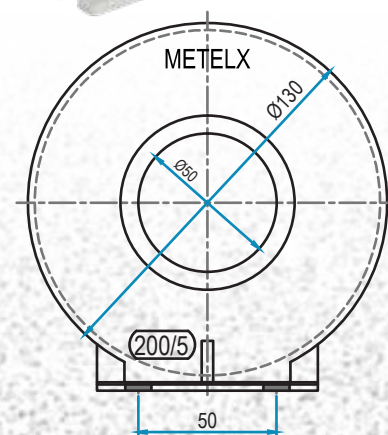
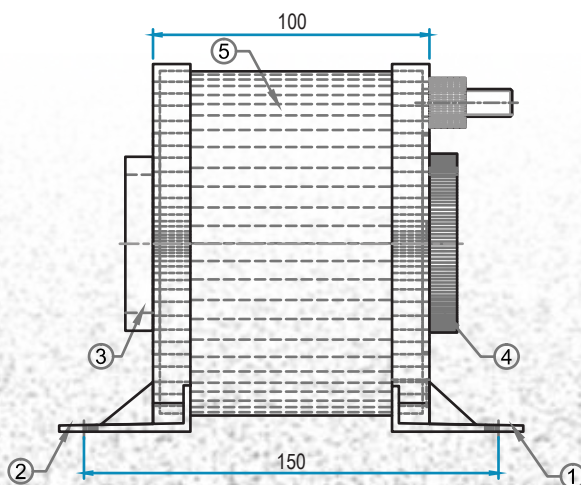
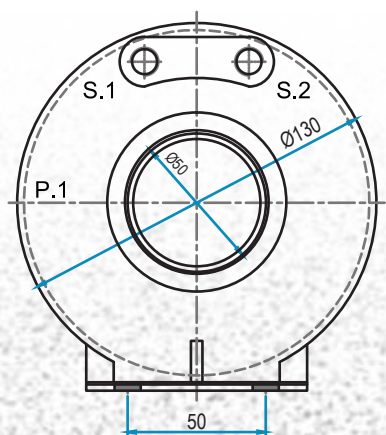
LVW-100

TECHNICAL DATA			
Ratio	Class	VA	Product Code LVW-100
100/5 A	0.5	5	
Specification	DDS:80-2007, IEC 61869		



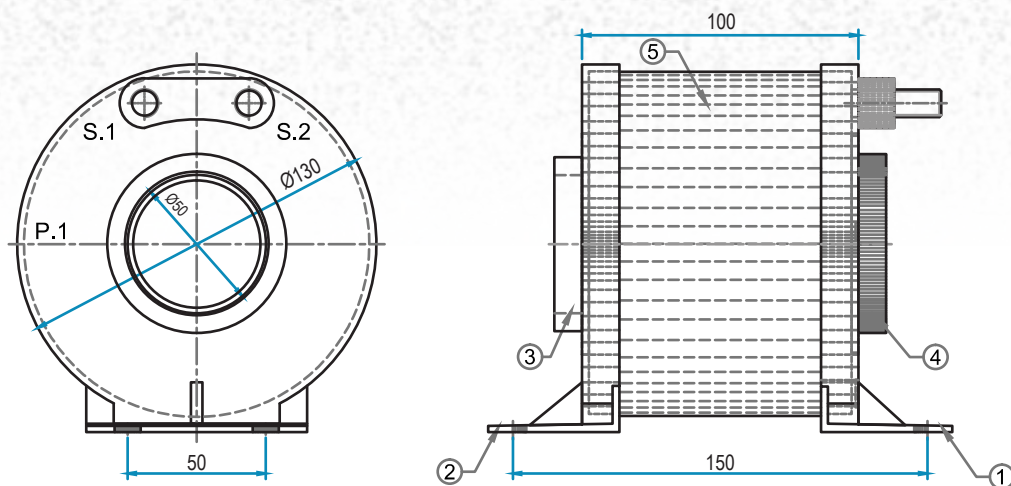
LVW-200

TECHNICAL DATA			
Ratio	Class	VA	Product Code LVW-200
200/5 A	0.5	5	
Specification	DDS:80-2007, IEC 61869		



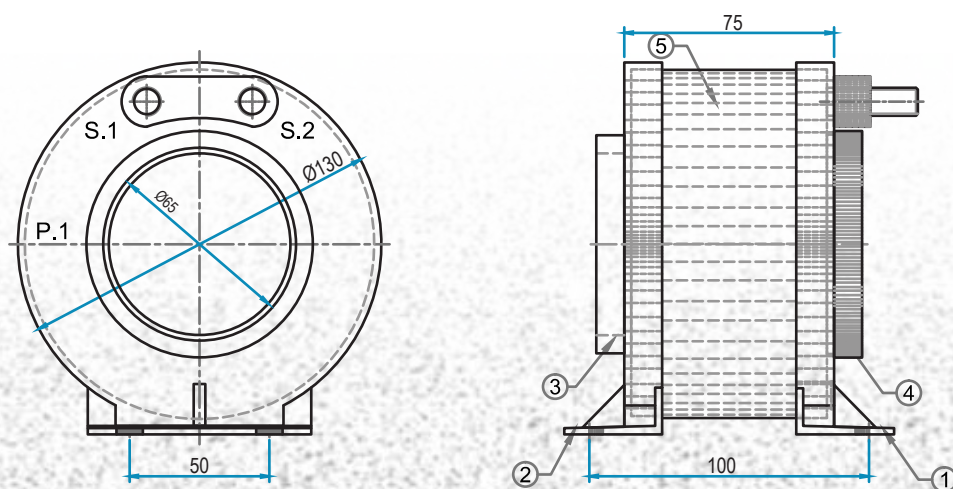
LVW-300

TECHNICAL DATA			
Ratio	Class	VA	Product Code LVW-300
300/5 A	0.5	5	
Specification	DDS:80-2007, IEC 61869		



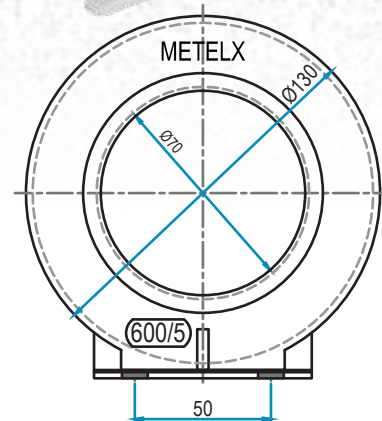
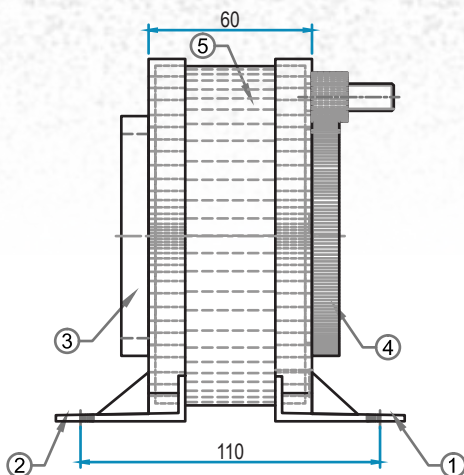
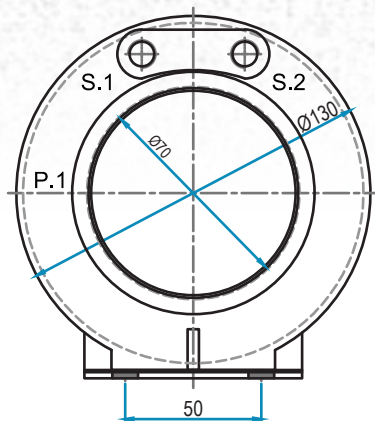
LVW-400

TECHNICAL DATA			
Ratio	Class	VA	Product Code LVW-400
400/5 A	0.5	5	
Specification	DDS:80-2007, IEC 61869		



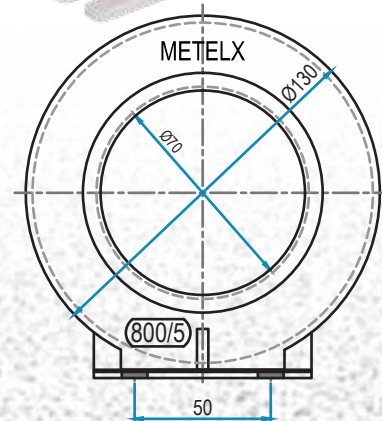
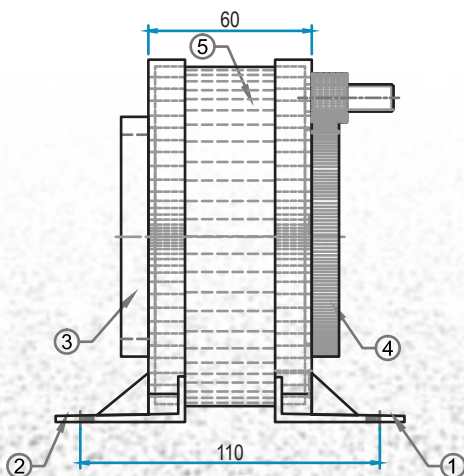
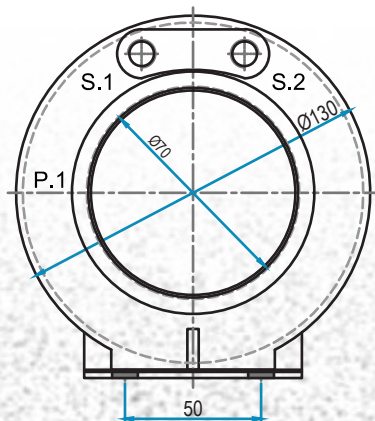
LVW-600

TECHNICAL DATA			
Ratio	Class	VA	Product Code LVW-600
600/5 A	0.5	5	
Specification	DDS:80-2007, IEC 61869		



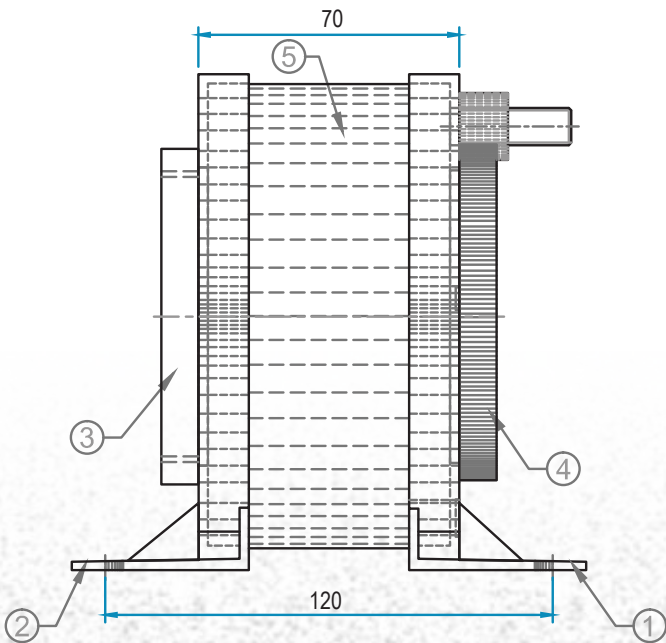
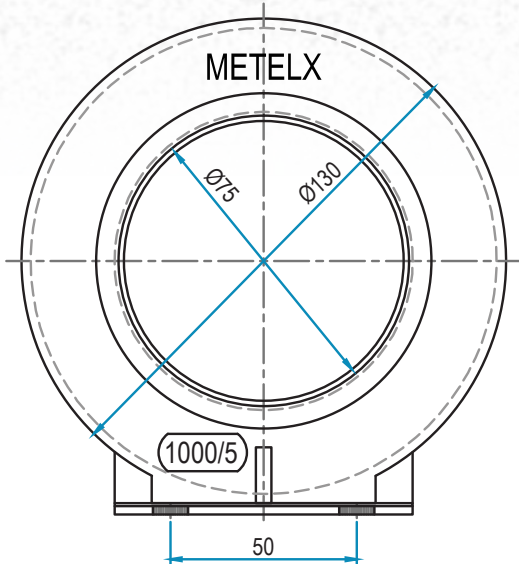
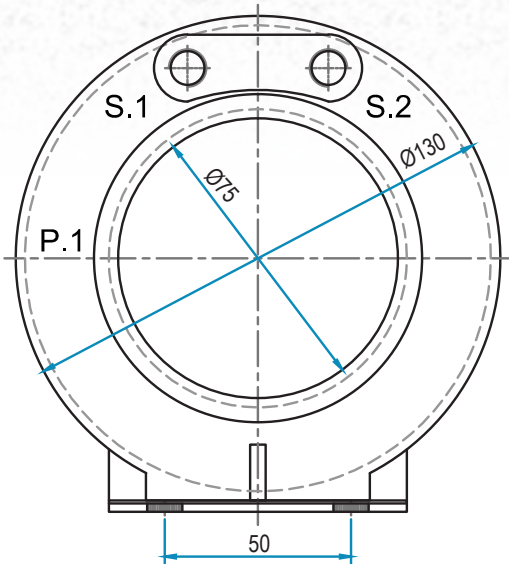
LVW-800

TECHNICAL DATA			
Ratio	Class	VA	Product Code LVW-800
800/5 A	0.5	5	
Specification	DDS:80-2007, IEC 61869		



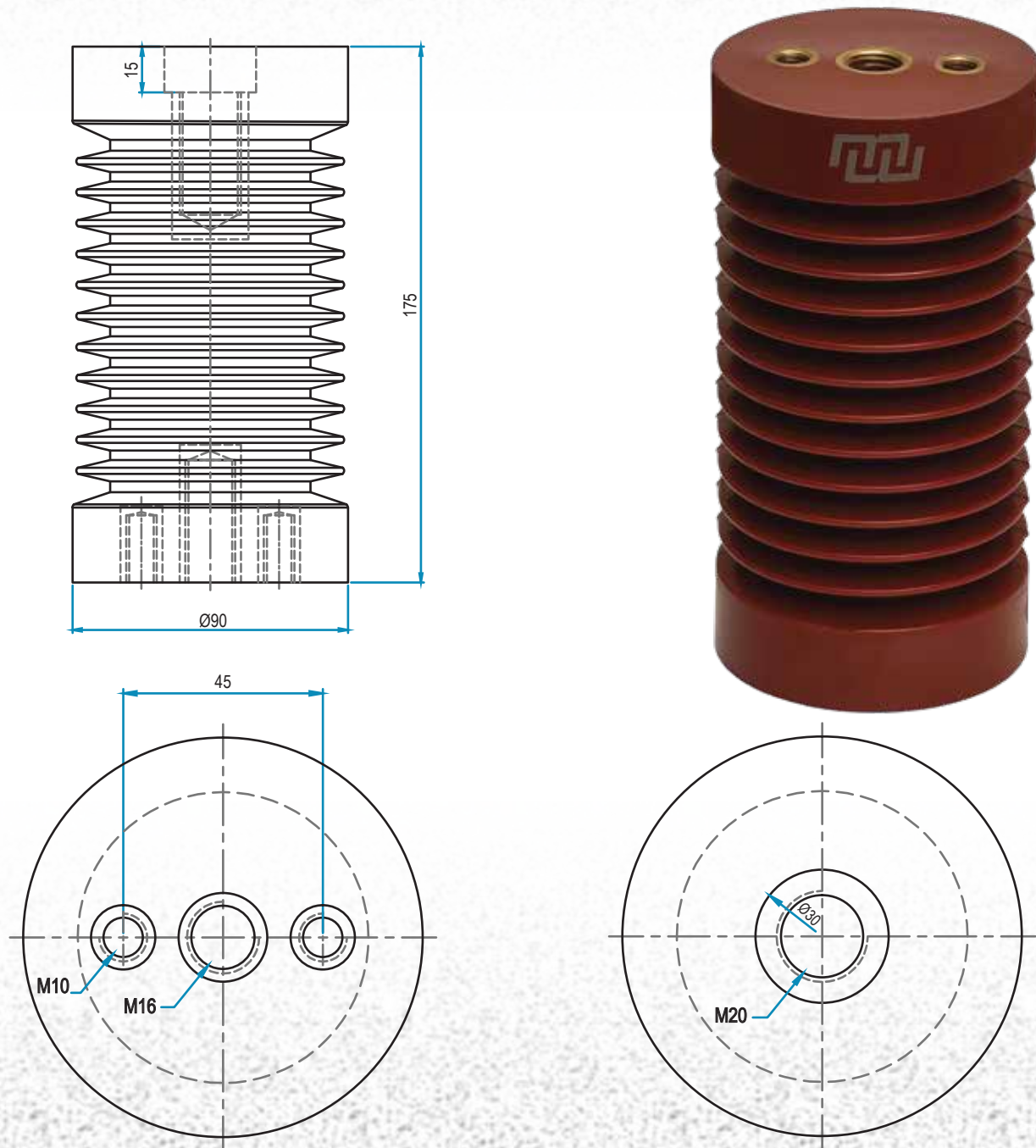
LVW-1000

TECHNICAL DATA			
Ratio	Class	VA	Product Code LVW-1000
1000/5 A	0.5	5	
Specification	DDS:80-2007, IEC 61869		



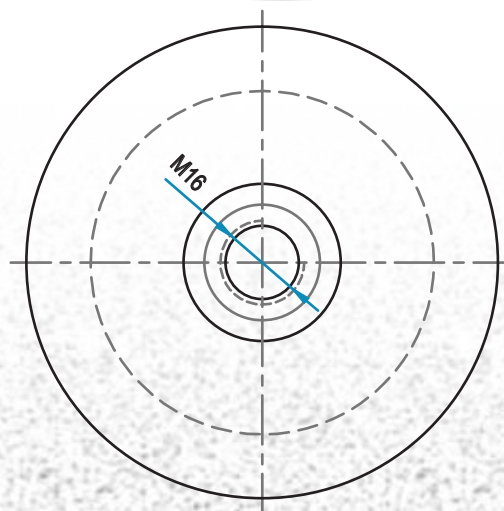
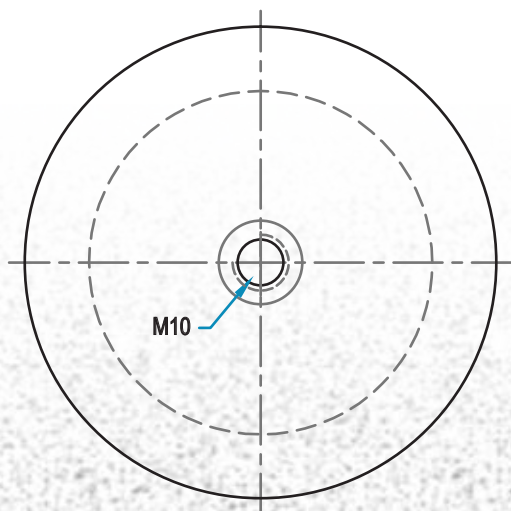
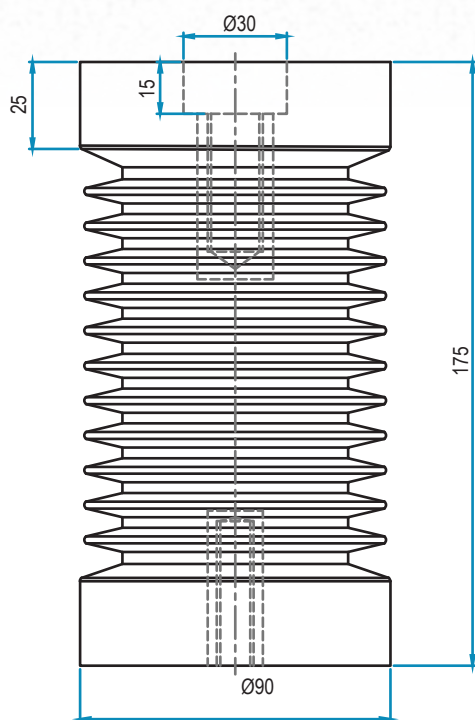
Epoxy Bus Bar Insulator

TECHNICAL DATA				
Sr. No.	Ratio	Class	VA	Product Code Insulator
1.				
2.				
3.				
4.				



Epoxy Bus Bar Insulator

TECHNICAL DATA				
Sr. No.	Ratio	Class	VA	Product Code Insulator
1.				
2.				
3.				
4.				



Epoxy Bus Bar Insulator

TECHNICAL DATA				
Sr. No.	Ratio	Class	VA	Product Code Insulator
1.				
2.				
3.				
4.				



Epoxy Bus Bar Insulator

TECHNICAL DATA				
Sr. No.	Ratio	Class	VA	Product Code Insulator
1.				
2.				
3.				
4.				



Valueable Clients

Water & Power Development Authority

- Peshawar Electric Supply Co. Limited (PECO)
- Islamabad Electric Supply Co. Limited (IESCO)
- Gujranwala Electric Power Co. Limited (GEPCO)
- Lahore Electric Supply Co. Limited (LESCO)
- Faisalabad Electric Supply Co. Limited (FESCC)
- Hyderabad Electric Power Co. Omitted (MEPCO)
- Quetta Electric Supply Co. Limited (QESCO)
- Tribal Electric Supply Co. Limited (TESCO)
- K-Electric Limited
- Electricity Department, Government of Azad Jammu & Kashmir (AJK)
- Sukkur Electric Power Company (SEPCO)

Private Sectors

- Housing Societies
- Textile Industries
- Sugar Industries
- Steel Mills
- Govt. Institutions/Organization
- CNS Station etc.
- Export to Middle East, Far fact, Africa and South East Asia

Private Customers

- | | |
|---|---------------------|
| ■ SIEMENS | ■ PEMPAK |
| ■ Schneider | ■ ZGL |
| ■ PEL | ■ FICO ENGINEERING |
| ■ TARIQ ELECTRIC (Pvt.) LTD. | ■ USMAN ENGINEERING |
| ■ BILAL SWITCHGEAR Engineering (Pvt.) LTD | ■ M-TECH |
| ■ M.K Engineering | ■ MICROTECH |
| ■ GHAFOR ENGINEERING | ■ TRIBROS ELECTRIC |
| ■ SOUTH ASIA ELECTRICAL CONCERN | ■ KBK |
| ■ GREEN T&D | ■ Find Tech |
| ■ SIDDIQUE SONS | ■ Transfo Power |
| | ■ JEI |

Company CEO Message

As the leading manufacturer of electrical equipment especially Instrument Transformers in Pakistan, We have a team of well-qualified and experienced Engineers who are always ready to meet any challenging situation. Our mission is to develop a long-lasting relationship with our suppliers and as well as with our customers by providing them the best quality of products. Furthermore, the research and development department is linked with our design department which is engaged in the improvement and modification of existing products and also to come out with new products, providing timely and crucial solutions to a wide variety of industrial needs.

We bring to you over 20 years of experience, combining the strength and innovation to providing superior quality, value-oriented pricing, standard as well as innovative/custom-made design, and reliable performance upon which our reputation and success have been established.

Last but not least, we serve this industry by offering quality products with dependable service and ongoing support. We guarantee that working with trusted Business Partner, along with a team of experts who are manufacturers, consultants, and service Professionals under the dedicated phenomenon to meeting your specific needs.

CEO

Muhammad Khalid



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Prepared by
Engr. Nasir Ali
0315 6229395

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