

ADL

ELECTRONICS

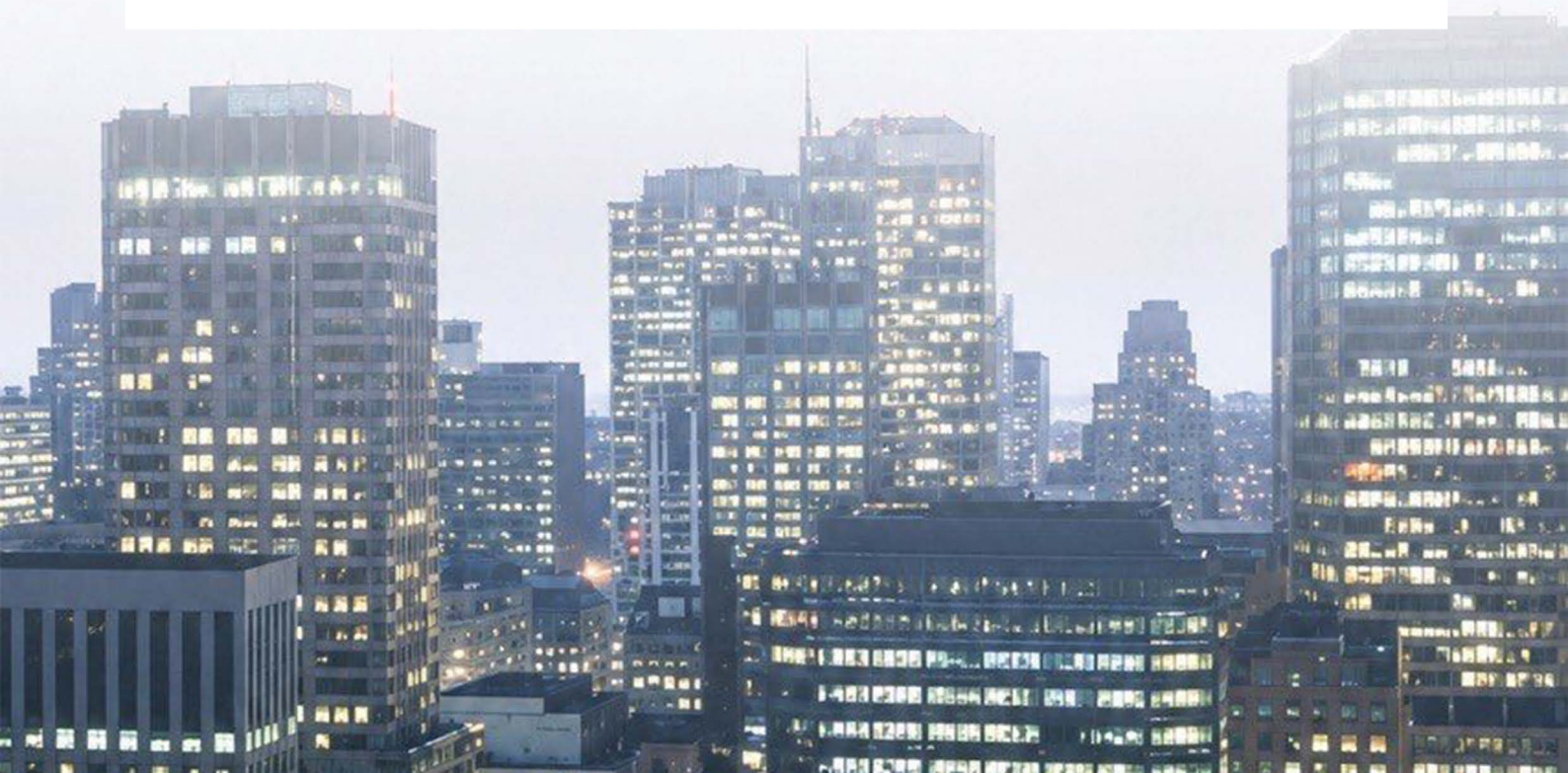
- catalog -

An individual approach to every transformer

ADL Electronics is a modern Ukrainian manufacturer of instrument transformers with a complete in-house production cycle.

We manufacture standard and custom instrument transformers to meet the technical requirements and parameters of each project.

We carry out engineering calculations, develop the optimum design and provide a complete manufacturing and testing cycle, ensuring the high quality of every product.



ADL[®]

ELECTRONICS



**Our own
modern
production**



**Introducing
new
technologies**



**A coordinated
team of
professionals**

**Our production facilities, certified to
ISO 9001 and ISO 14001, combine
modern, reliable capacity with closely
coordinated operations across every
department.**

**We continuously seek new and
effective solutions.**



**The development strategy of ADL
ELECTRONICS® is based on
environmentally responsible principles -
both in its environmental approach and in
the way the business is built.**

How ADL transformers are made



Enquiry and specification

We clarify technical requirements, product parameters and operating conditions.

Engineering calculations

We perform the necessary calculations and develop the manufacturing process.

Manufacturing

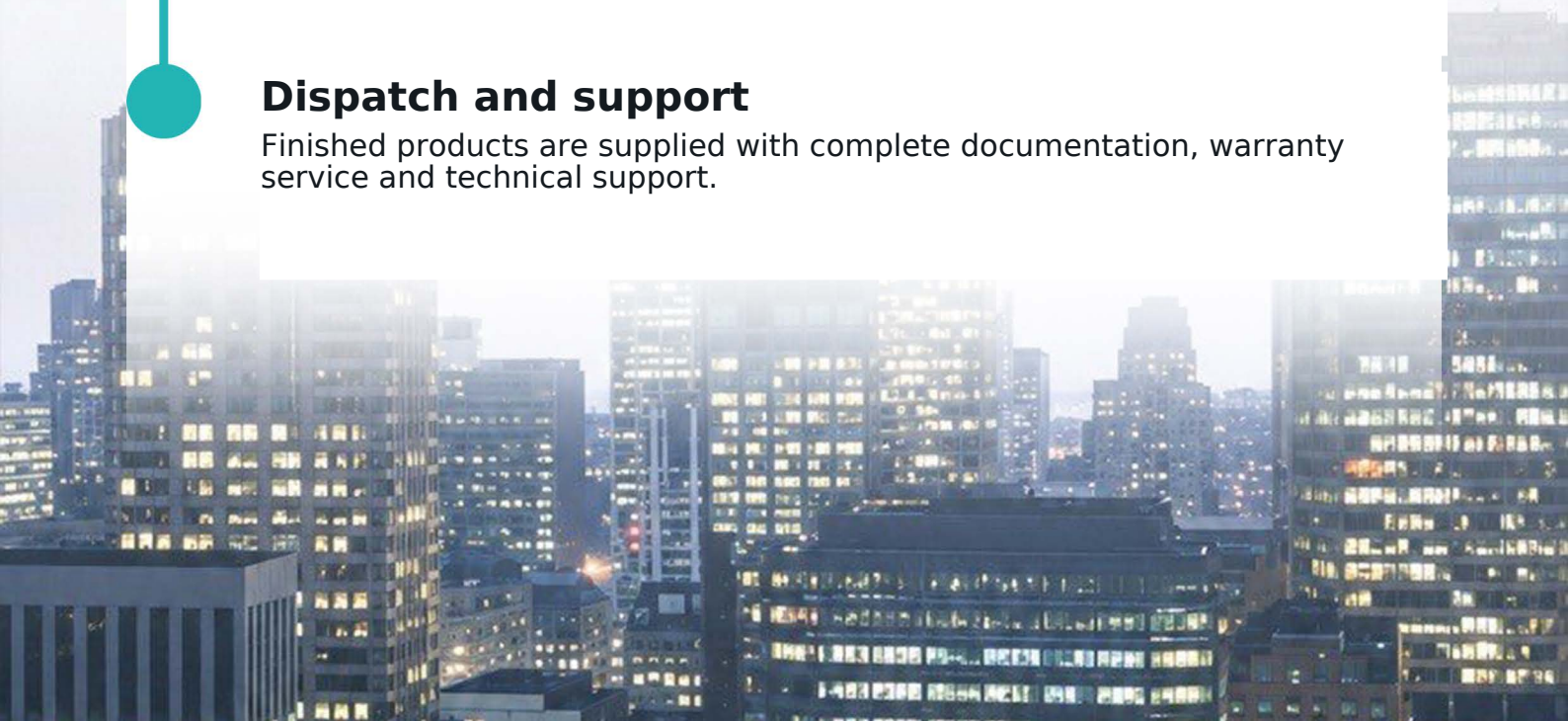
A complete in-house production cycle, with strict quality control at every stage.

Testing

Every transformer undergoes a full set of routine acceptance tests in our modern electrical testing laboratory, certified by the state enterprise Ukrmetrteststandart. This ensures compliance with current standards and the declared metrological characteristics.

Dispatch and support

Finished products are supplied with complete documentation, warranty service and technical support.





A dedicated process sheet for every order

From standard production to custom designs.



Extended specifications on request

Accuracy class, rated burden, instrument security factor, transformation ratio, versions for special operating conditions and other technical parameters are selected to suit customer requirements.



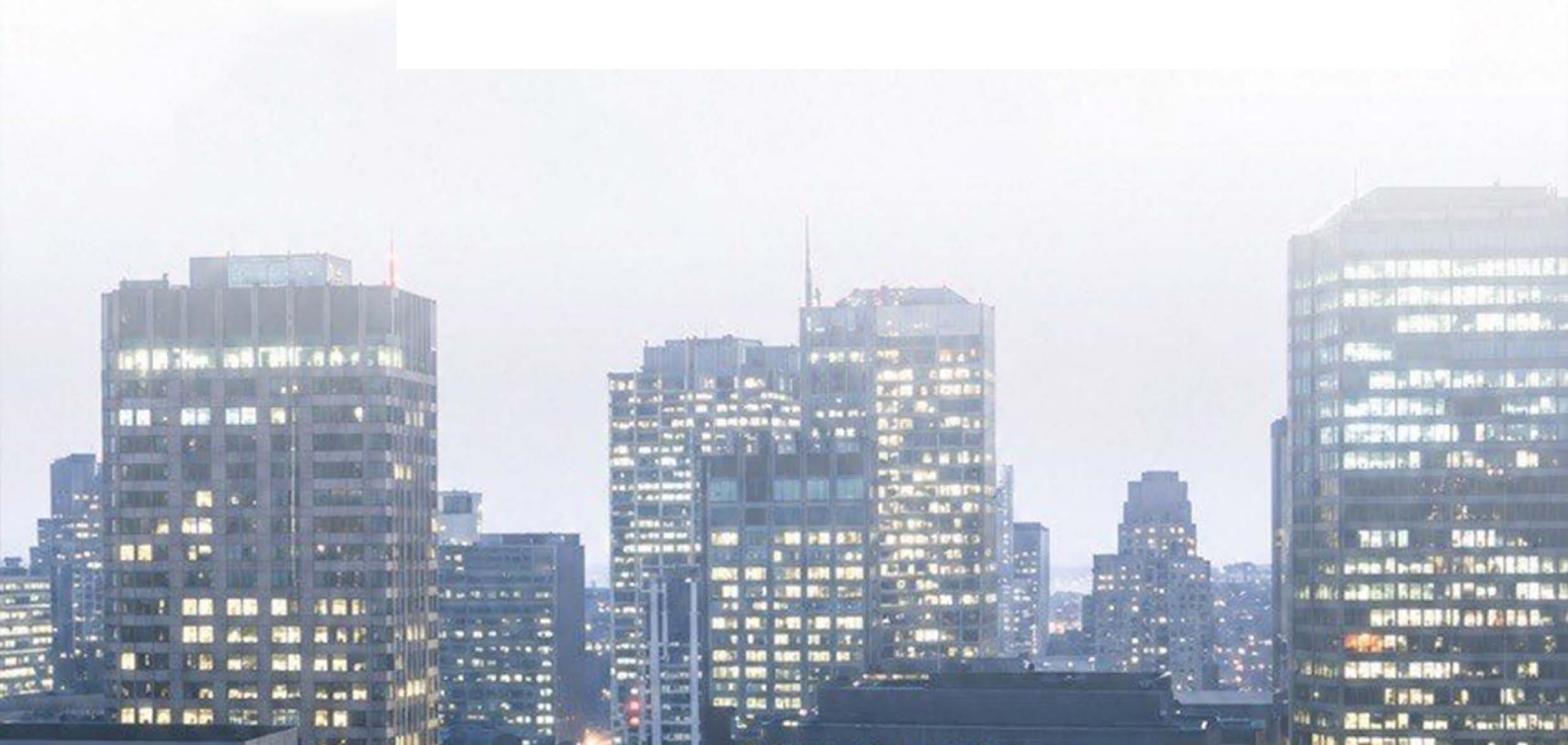
Trusted suppliers

Transformer quality starts with materials. That is why we work with leading Ukrainian and international manufacturers of materials and components.



Modern information system LEO Systems

We have developed and implemented the modern LEO Systems production information system. It defines the manufacturing route of every transformer. No device or transformer can pass through packaging and be dispatched to the customer unless every stage of its route has been successfully completed.





LEO Systems automatically creates and controls the route of every transformer, recording completion of every manufacturing operation.

A transformer can proceed to the next stage only after the previous stage has been completed successfully and its results confirmed in the system.

This provides full production traceability, quality control and reliability for every product.

Current transformers

12-123 kV

Reliable, accurate solutions for measurement and protection in power systems from 12 to 123 kV.



Reliability

High-quality materials and stable performance under all operating conditions.



Accuracy

Accurate measurement for metering and protection.



Safety

Compliance with international quality and safety standards.



Standards compliance

DSTU EN 61869-2:2017. Instrument transformers. Part 2: Additional requirements for current transformers.





TOLU-ADL-12 kV

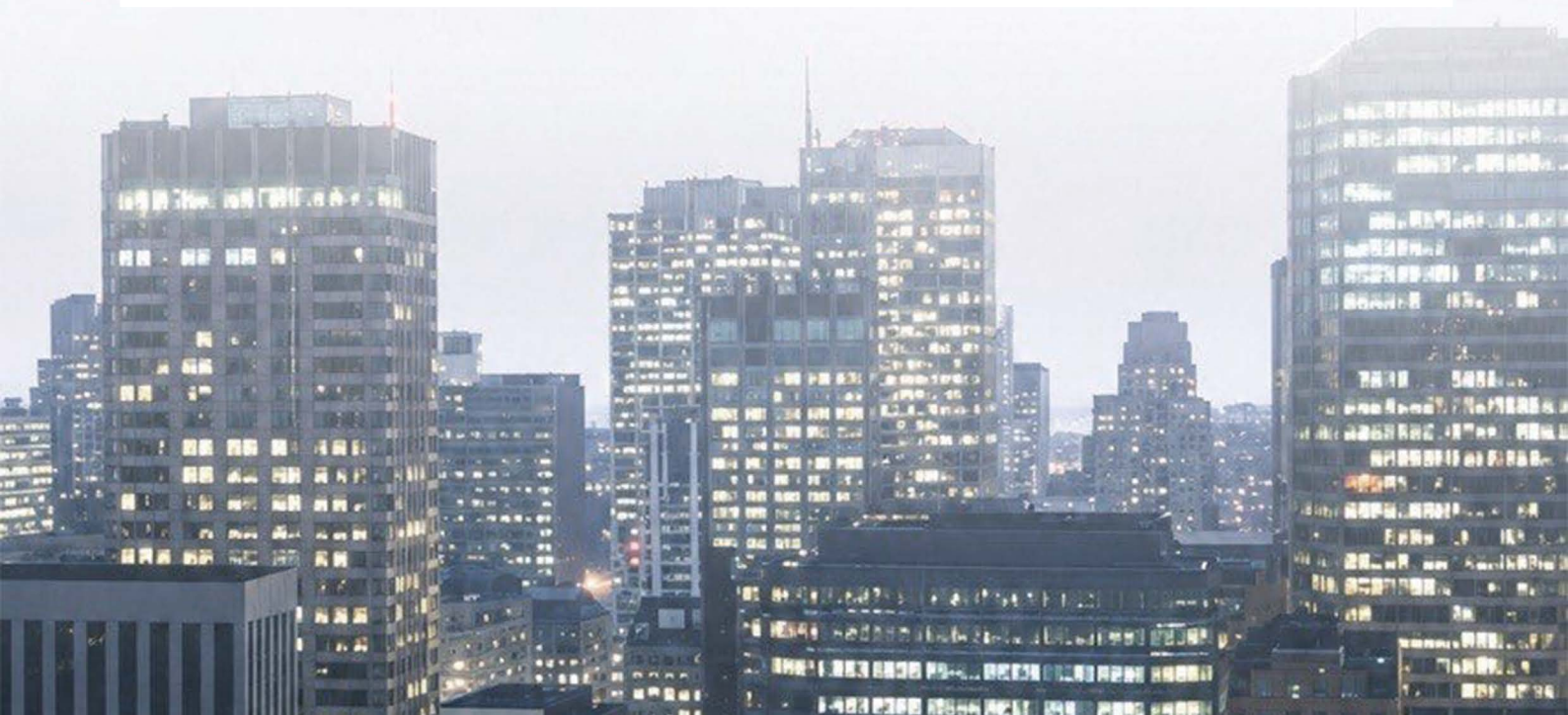
TOLU-ADL-12 kV

DESCRIPTION

TOLU-ADL-12 current transformers transmit measurement information to measuring instruments and protection and control devices, and isolate secondary circuits from high voltage in indoor switchgear assemblies (KRU, KRUN and KSO) operating on alternating current, with a highest voltage for equipment of 12 kV and a frequency of 50 Hz. The transformers are manufactured in climatic version U, placement category 2, in accordance with GOST 15150-69. They may be installed in any orientation.

The metering secondary winding uses a nanocrystalline alloy core. This provides a wide linear dynamic range of current and phase-angle characteristics, long-term stability throughout the transformer's service life, and resistance of the magnetic core to magnetisation by unipolar short-circuit current impulses. The instrument security factor does not exceed three, significantly reducing fault-related overloads of measuring instruments connected to the metering secondary winding. These transformers help reduce the customer's operating costs.

The transformers comply with DSTU IEC 60044-1:2008 and DSTU GOST 7746-2003. The operating warranty is 5 (five) years from commissioning, but no more than 5.5 years from dispatch by the manufacturer. Service life: 40 years.

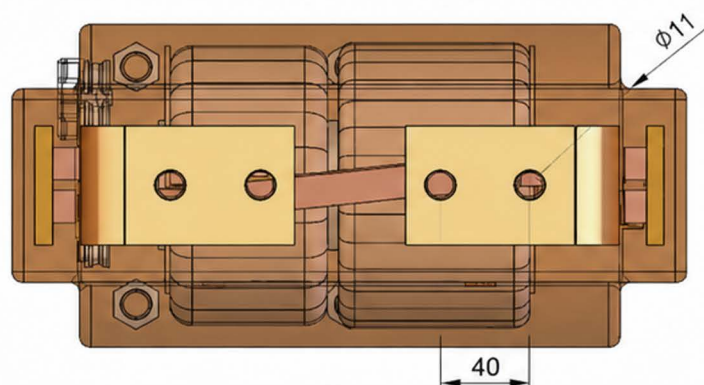
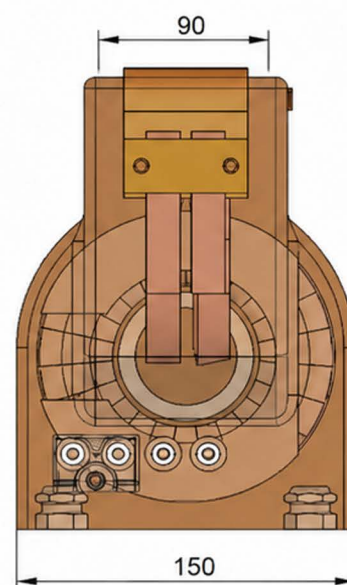
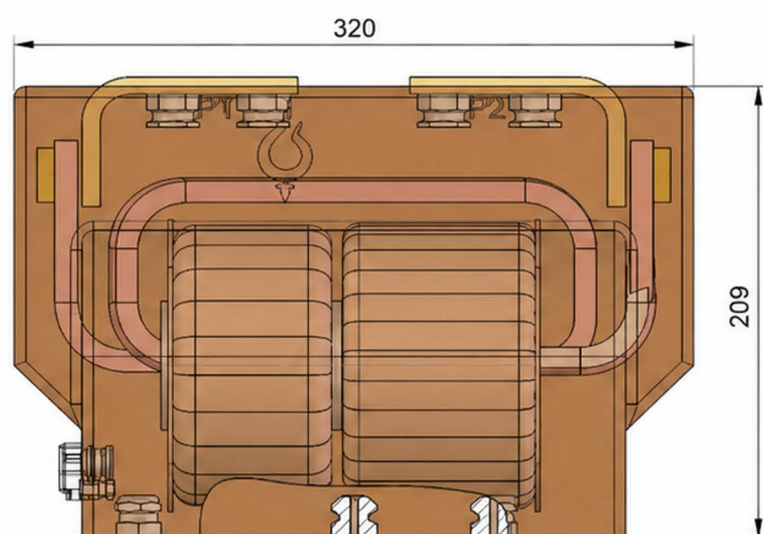


TOLU-ADL-12 kV

PARAMETER	VALUE
Highest voltage for equipment, U_m [kV]	12
Rated primary current, I_{pn} [A]	5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 300, 400, 500, 600, 750, 800, 1000, 1200, 1500, 2000
Rated secondary current, I_{sn} [A]	1 or 5
Rated frequency, f_n [Hz]	50
Accuracy class of metering secondary winding	0.2S 0.2 0.5S 0.5 1
Accuracy class of protection secondary winding	5P; 10P
Rated secondary burden at $\cos(\phi) = 0.8$ - metering winding [VA]	5; 10; 15; 20; 30
Rated secondary burden at $\cos(\phi) = 0.8$ - protection winding [VA]	5; 10; 15; 20; 30
Instrument security factor, FS	FS5 or FS10
Accuracy limit factor, ALF	5; 10; 15; 20; 30
Number of secondary windings	1, 2, 3, 4
Power-frequency withstand voltage [kV]	28
Lightning impulse withstand voltage [kV]	75
Rated insulation level according to DSTU EN 61869-2 [kV]	12 / 28 / 75
Climatic version and placement category according to GOST 15150	UHL2
Maximum installation altitude above sea level [m]	1000
Installation	Indoor
Construction	Non-flame-propagating cast epoxy insulation
Maximum mass [kg]	25
Minimum average service life [years]	40
Selectable transformation ratios	Selectable transformation ratios available on request
Standards compliance	DSTU EN 61869-2:2017: Instrument transformers. Part 2: Additional requirements for current transformers.

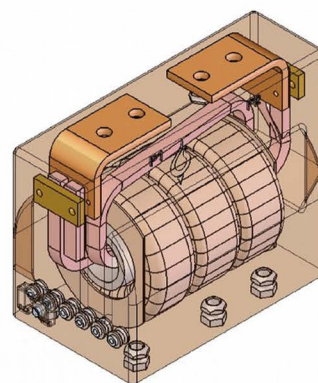
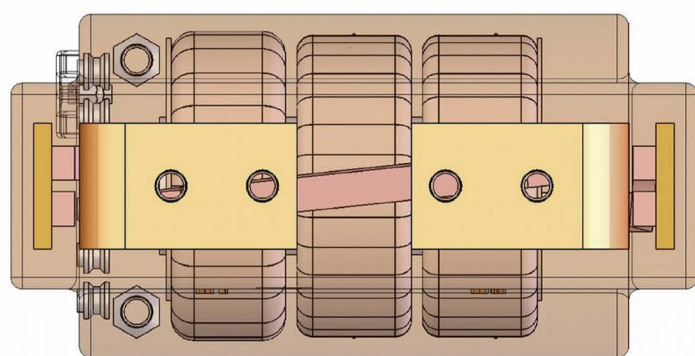
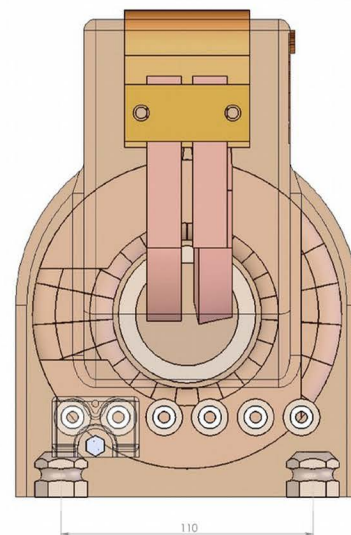
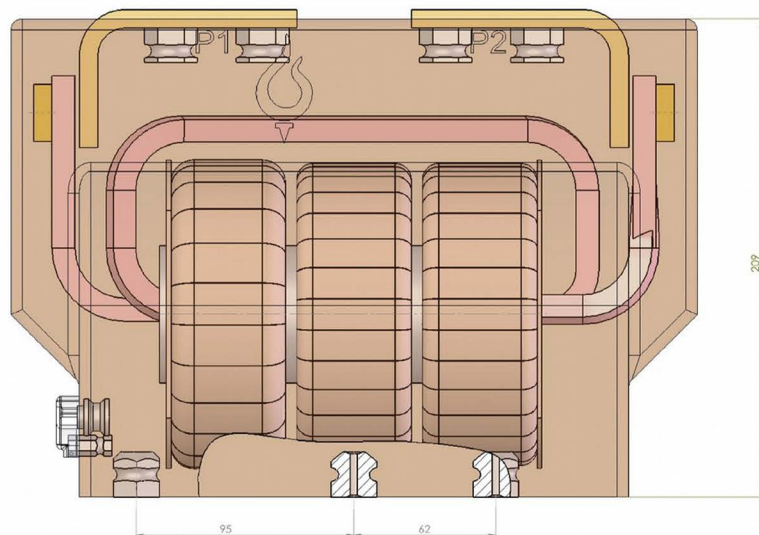
TOLU-ADL-12 II

Overall dimensions (2 windings)



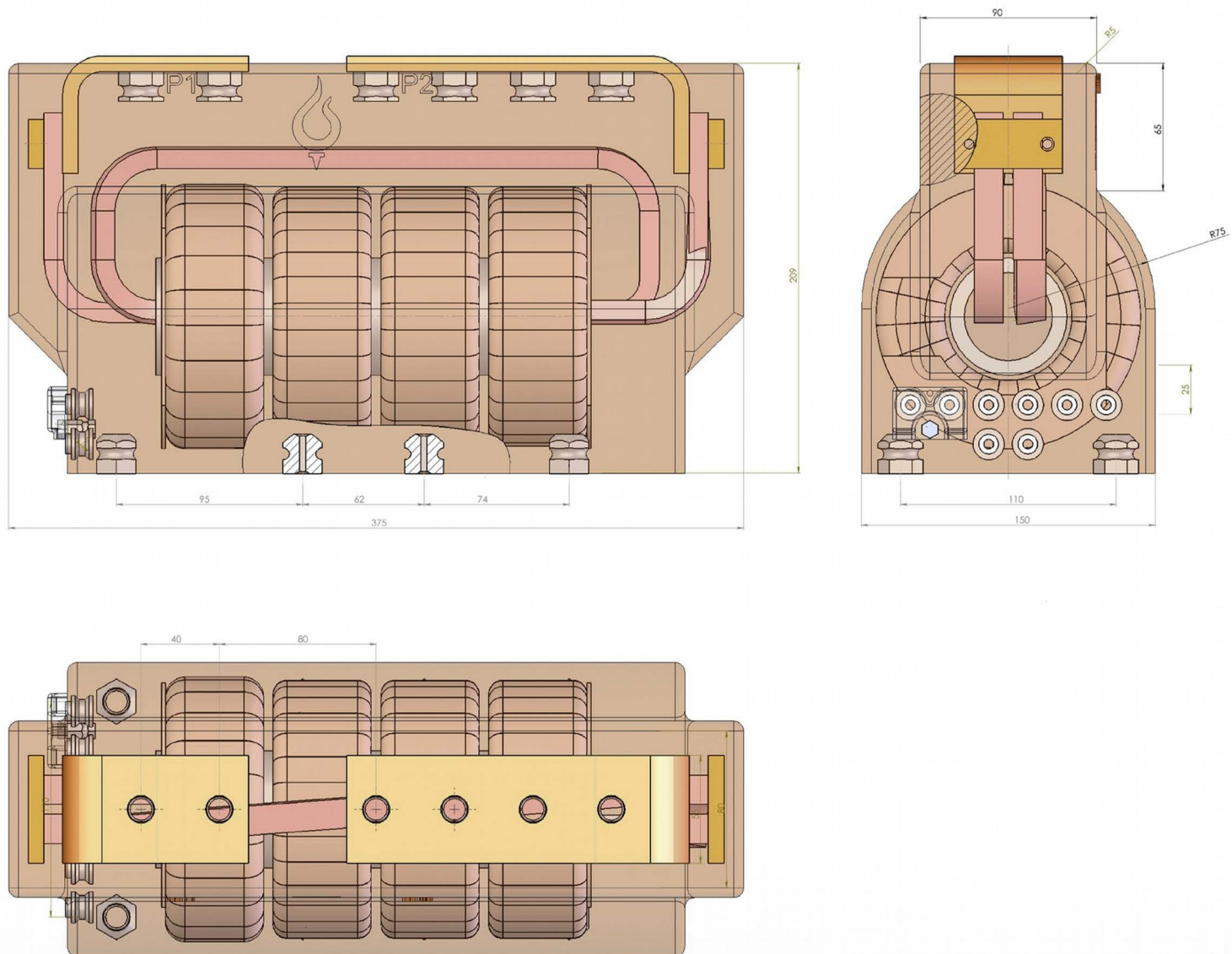
TOLU-ADL-12 III

Overall dimensions (3 windings)



TOLU-ADL-12 IV

Overall dimensions (4 windings)





TPLU-ADL-12 kV

TPLU-ADL-12 kV

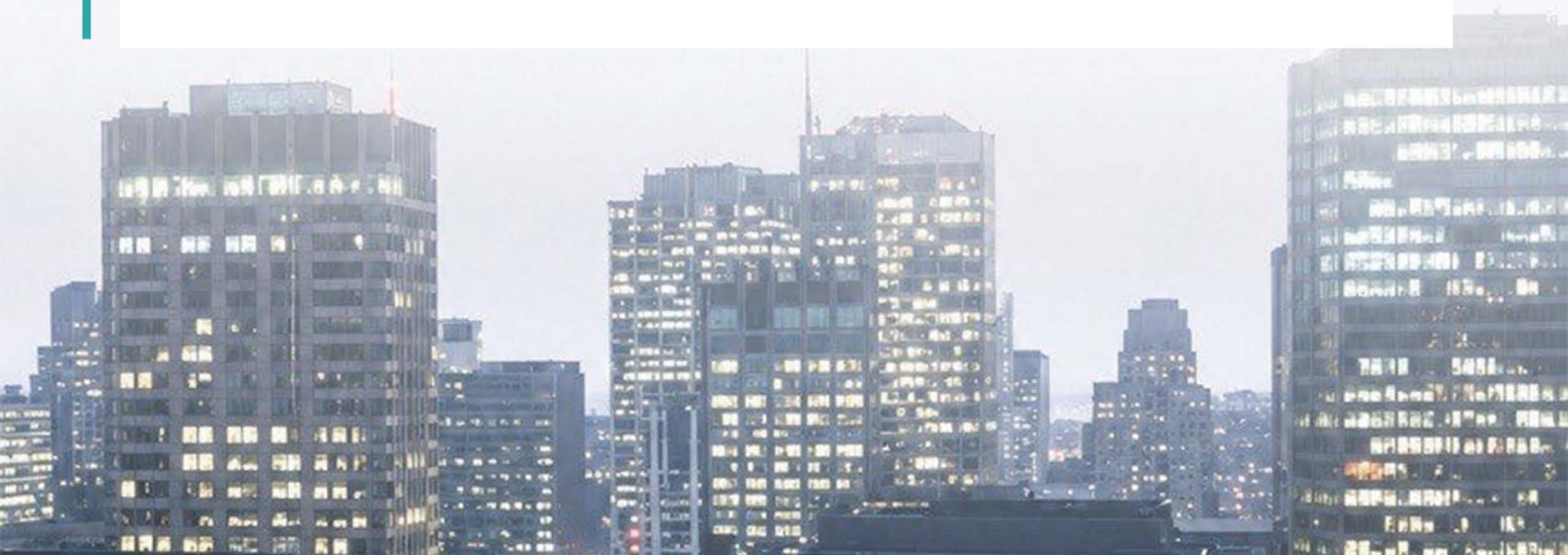
DESCRIPTION

TPLU-ADL-12 current transformers transmit measurement signals to electrical measuring instruments and relay protection, automation, signalling and control devices. They also electrically isolate secondary circuits from high-voltage circuits. The transformers are used in indoor switchgear assemblies (KRU, KRUN, KSO and other assemblies) operating at 50 Hz, with a highest voltage for equipment of 12 kV.

The primary and secondary windings and magnetic core are encapsulated in epoxy compound, forming a solid insulation system with high dielectric performance, mechanical strength and structural durability. The transformers are manufactured for indoor installation in climatic version UHL2.

Depending on the version, a transformer can have one to four secondary windings for metering and/or relay protection. Metering windings are available in accuracy classes 0.2S, 0.2, 0.5S, 0.5 and 1; protection windings are available in classes 5P and 10P. The rated secondary current is 1 A or 5 A. Transformation ratios, accuracy classes, rated burdens and the number of secondary windings are specified when ordering.

The design ensures stable metrological characteristics, high dielectric strength and reliable operation throughout the service life. Selectable transformation ratios are available on request. The transformers comply with DSTU EN 61869-1:2017 and DSTU EN 61869-2:2017. The operating warranty is 5 years from commissioning, but no more than 5.5 years from dispatch by the manufacturer. Average service life: at least 40 years.

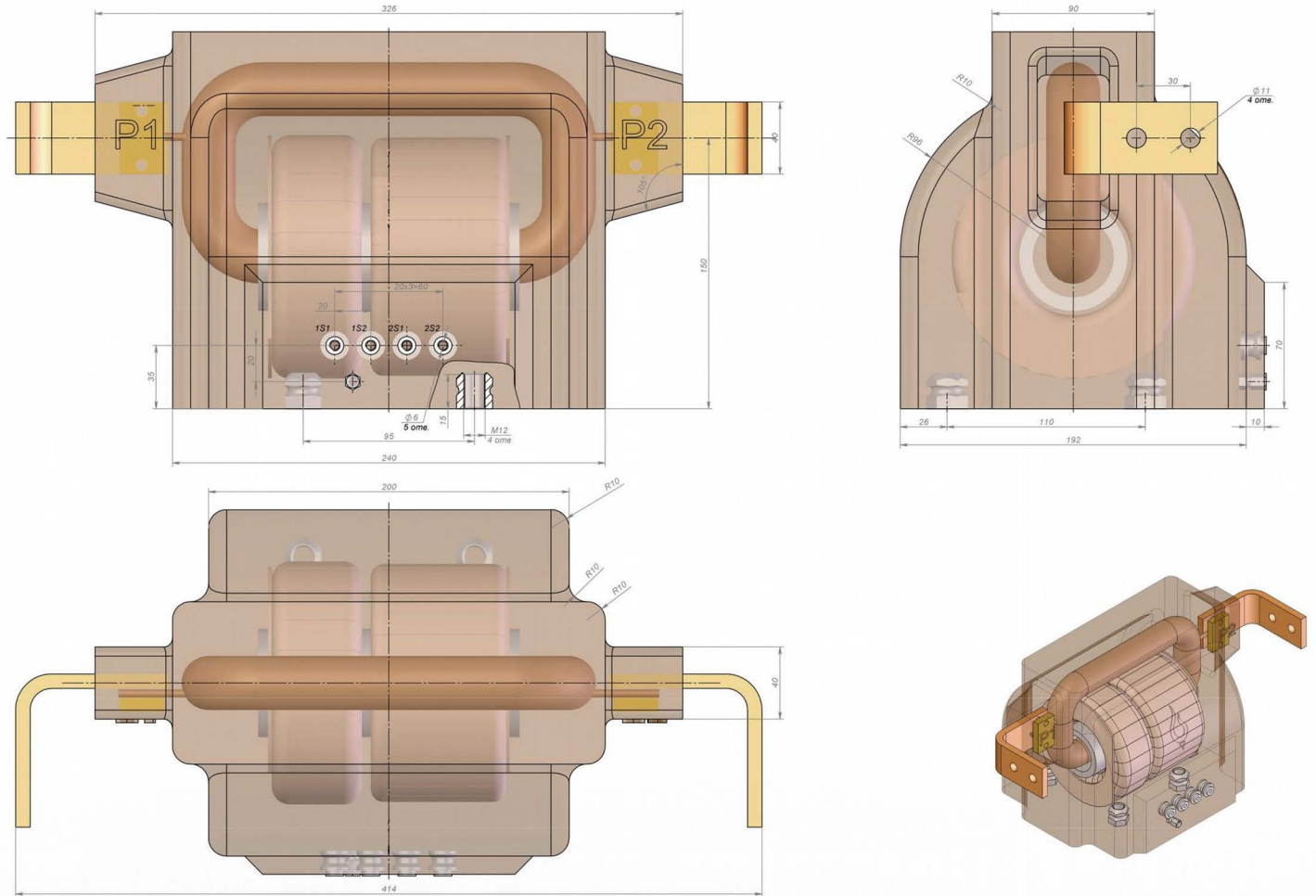


TPLU-ADL-12 kV

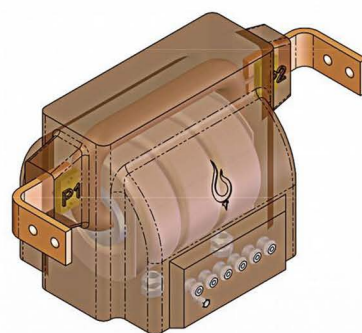
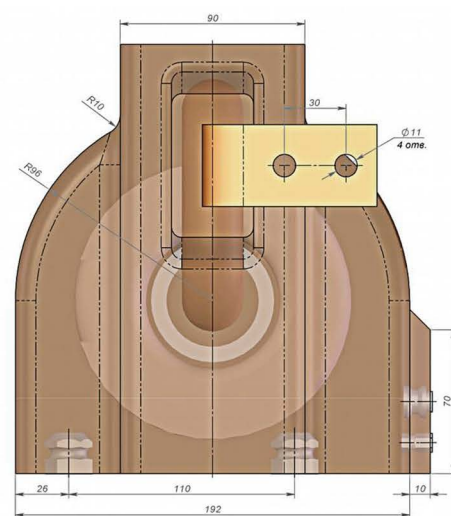
PARAMETER	VALUE
Highest voltage for equipment, U_m [kV]	12
Rated primary current, I_{pn} [A]	5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 300, 400, 500, 600, 750, 800, 1000, 1200, 1500, 2000
Rated secondary current, I_{sn} [A]	1 or 5
Rated frequency, f_n [Hz]	50
Accuracy class of metering secondary winding	0.2S 0.2 0.5S 0.5 1
Accuracy class of protection secondary winding	5P; 10P
Rated secondary burden at $\cos(\phi) = 0.8$ - metering winding [VA]	5; 10; 15; 20; 30
Rated secondary burden at $\cos(\phi) = 0.8$ - protection winding [VA]	5; 10; 15; 20; 30
Instrument security factor, FS	FS5 or FS10
Accuracy limit factor, ALF	5; 10; 15; 20; 30
Number of secondary windings	1, 2, 3, 4
Power-frequency withstand voltage [kV]	28
Lightning impulse withstand voltage [kV]	75
Rated insulation level according to DSTU EN 61869-2 [kV]	12 / 28 / 75
Climatic version and placement category according to GOST 15150	UHL2
Maximum installation altitude above sea level [m]	1000
Installation	Indoor
Construction	Non-flame-propagating cast epoxy insulation
Maximum mass [kg]	25
Minimum average service life [years]	40
Selectable transformation ratios	Selectable transformation ratios available on request
Standards compliance	DSTU EN 61869-2:2017: Instrument transformers. Part 2: Additional requirements for current transformers.

TPLU-ADL-12 II

Overall dimensions (2 windings)

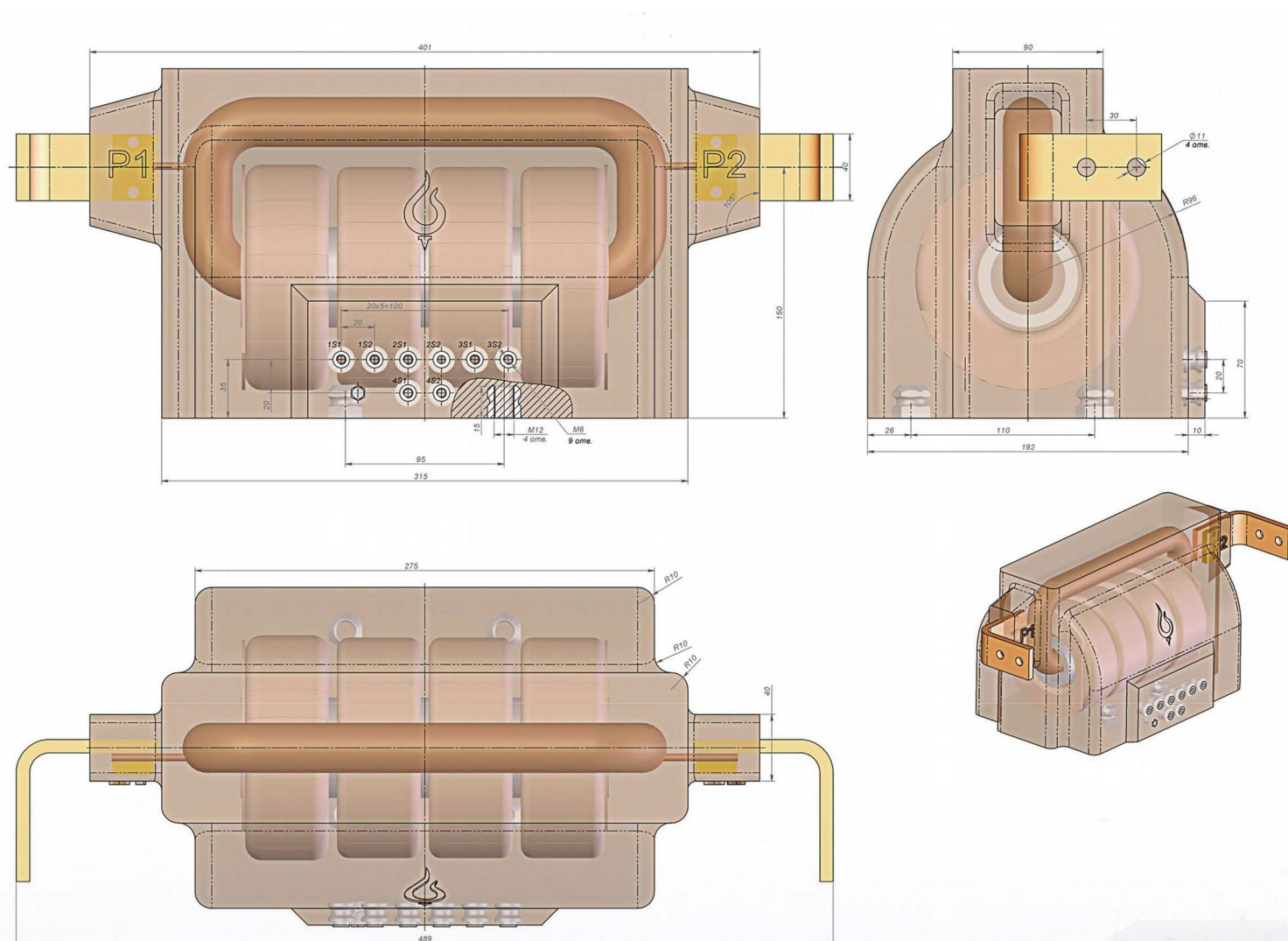


Overall dimensions (3 windings)



TPLU-ADL-12 IV

Overall dimensions (4 windings)





TPOLU-ADL-12 kV

TPOLU-ADL-12 kV

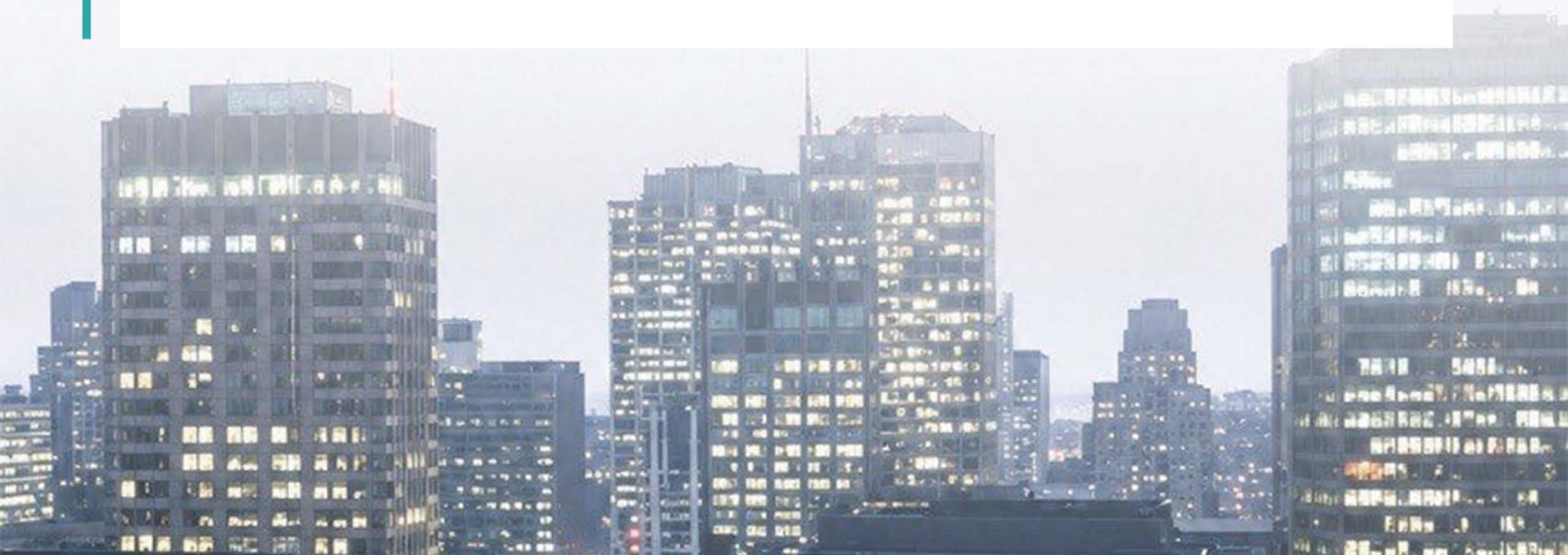
DESCRIPTION

TPOLU-ADL-12 current transformers transmit measurement signals to electrical measuring instruments and relay protection, automation, signalling and control devices. They also electrically isolate secondary circuits from high-voltage circuits. The transformers are used in indoor switchgear assemblies (KRU, KRUN, KSO and other assemblies) operating at 50 Hz, with a highest voltage for equipment of 12 kV.

The primary and secondary windings and magnetic core are encapsulated in epoxy compound, forming a solid insulation system with high dielectric performance, mechanical strength and structural durability. The transformers are manufactured for indoor installation in climatic version UHL2.

Depending on the version, a transformer can have one to four secondary windings for metering and/or relay protection. Metering windings are available in accuracy classes 0.2S, 0.2, 0.5S, 0.5 and 1; protection windings are available in classes 5P and 10P. The rated secondary current is 1 A or 5 A. Transformation ratios, accuracy classes, rated burdens and the number of secondary windings are specified when ordering.

The design ensures stable metrological characteristics, high dielectric strength and reliable operation throughout the service life. Selectable transformation ratios are available on request. The transformers comply with DSTU EN 61869-1:2017 and DSTU EN 61869-2:2017. The operating warranty is 5 years from commissioning, but no more than 5.5 years from dispatch by the manufacturer. Average service life: at least 40 years.

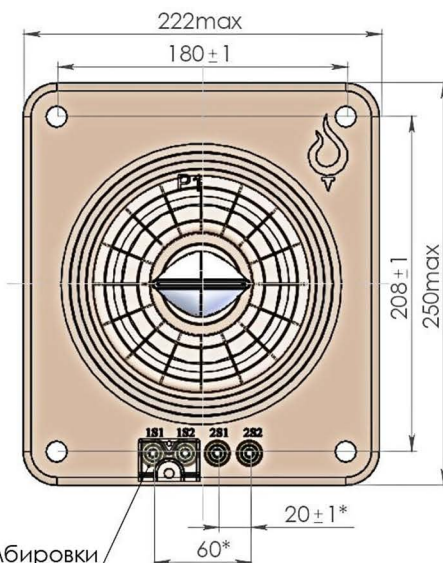
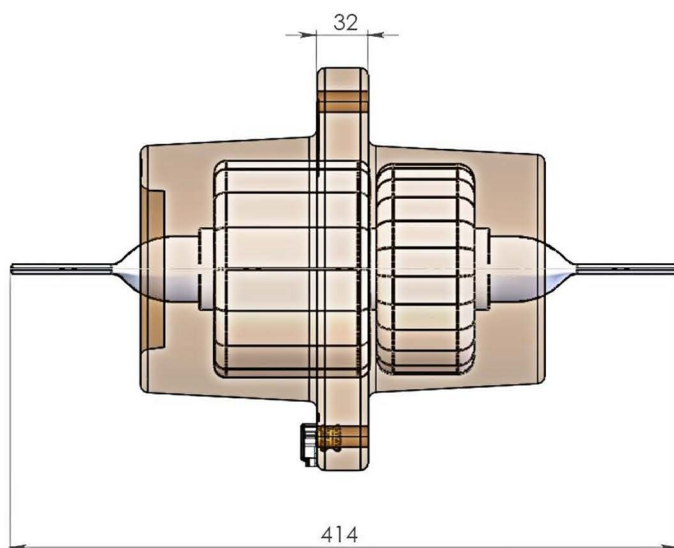


TPOLU-ADL-12 kV

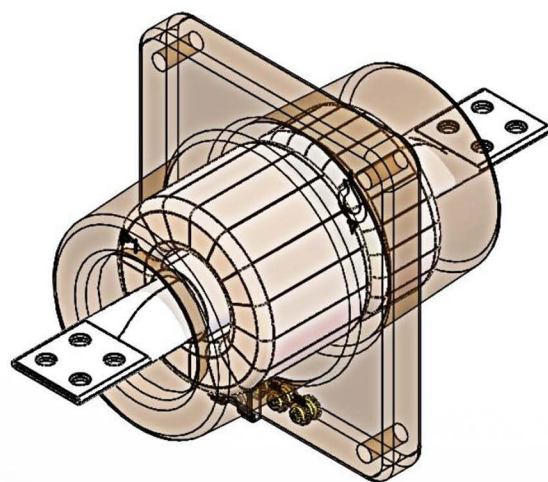
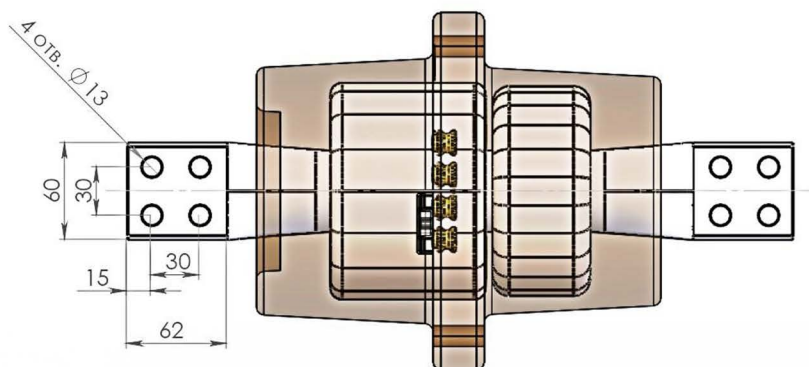
PARAMETER	VALUE
Highest voltage for equipment, U_m [kV]	12
Rated primary current, I_{pn} [A]	5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 300, 400, 500, 600, 750, 800, 1000, 1200, 1500, 2000
Rated secondary current, I_{sn} [A]	1 or 5
Rated frequency, f_n [Hz]	50
Accuracy class of metering secondary winding	0.2S 0.2 0.5S 0.5 1
Accuracy class of protection secondary winding	5P; 10P
Rated secondary burden at $\cos(\phi) = 0.8$ - metering winding [VA]	5; 10; 15; 20; 30
Rated secondary burden at $\cos(\phi) = 0.8$ - protection winding [VA]	5; 10; 15; 20; 30
Instrument security factor, FS	FS5 or FS10
Accuracy limit factor, ALF	5; 10; 15; 20; 30
Number of secondary windings	1, 2, 3, 4
Power-frequency withstand voltage [kV]	28
Lightning impulse withstand voltage [kV]	75
Rated insulation level according to DSTU EN 61869-2 [kV]	12 / 28 / 75
Climatic version and placement category according to GOST 15150	UHL2
Maximum installation altitude above sea level [m]	1000
Installation	Indoor
Construction	Non-flame-propagating cast epoxy insulation
Maximum mass [kg]	25
Minimum average service life [years]	40
Selectable transformation ratios	Selectable transformation ratios available on request
Standards compliance	DSTU EN 61869-2:2017: Instrument transformers. Part 2: Additional requirements for current transformers.

TPOLU-ADL-12 II

Overall dimensions (2 windings)

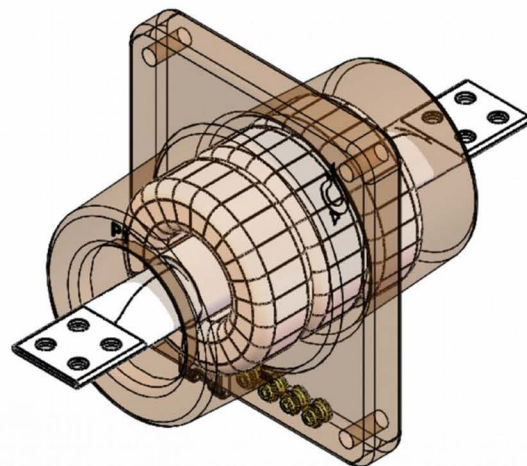
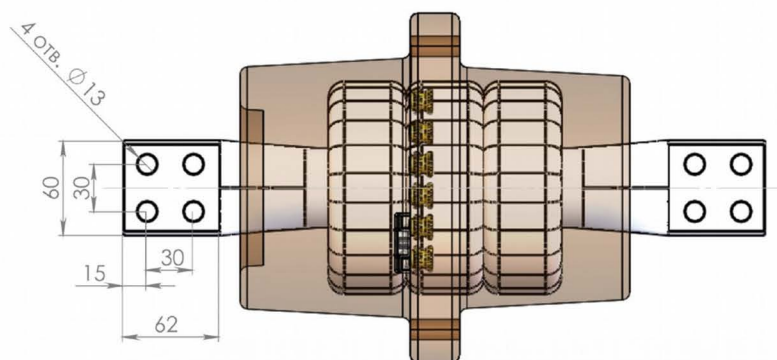
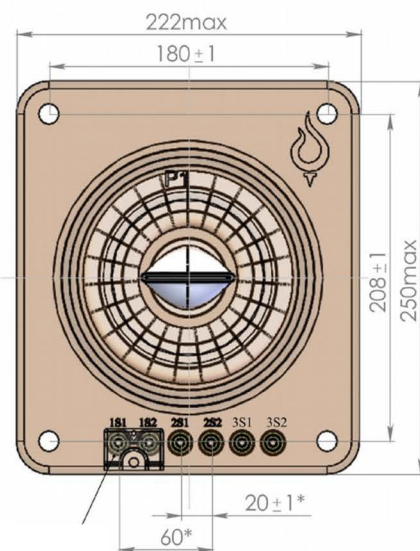
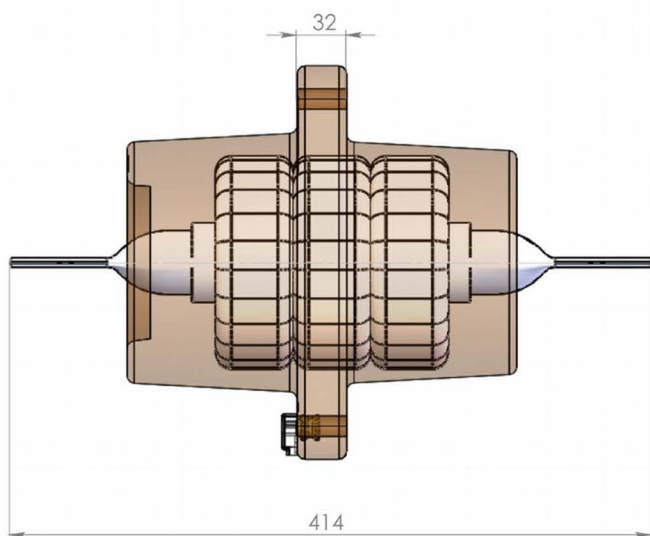


Крышка для пломбировки



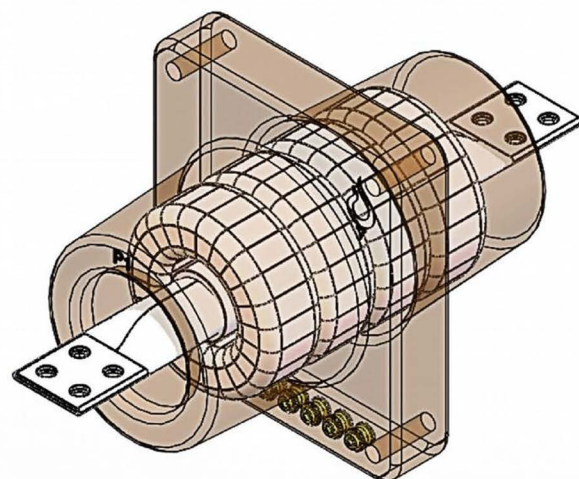
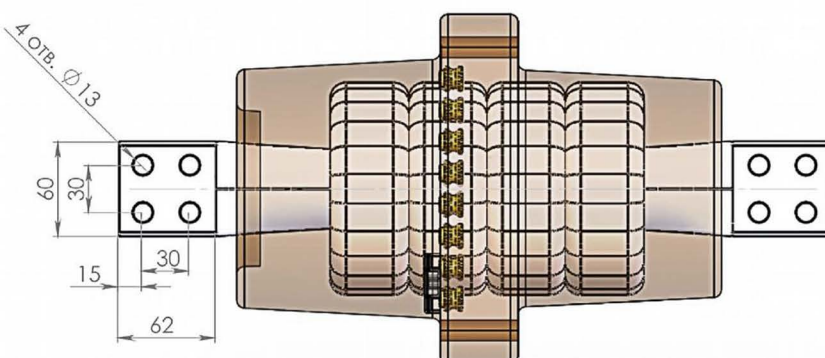
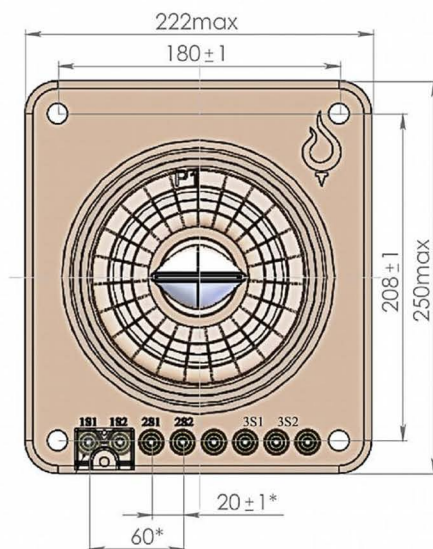
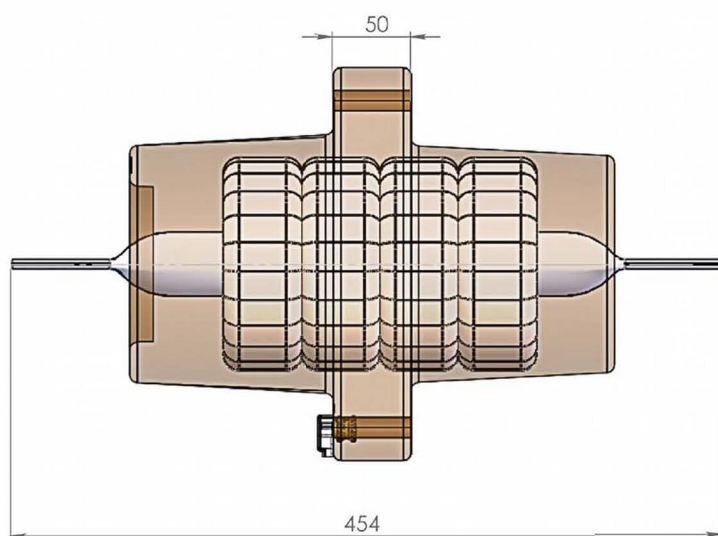
TPOLU-ADL-12 III

Overall dimensions (3 windings)



TPOLU-ADL-12 IV

Overall dimensions (4 windings)





TOLU-ADL-40.5 kV

TOLU-ADL-40.5 kV

DESCRIPTION

TOLU-ADL-40.5 current transformers convert primary current into a standard secondary current of 1 A or 5 A and supply it to measuring instruments, electricity meters, relay protection, automation and control systems. They also provide galvanic isolation of secondary circuits from the high-voltage network, ensuring safe operation of electrical equipment.

The transformer is intended for indoor installation in metal-enclosed switchgear (KRU), KSO cubicles, distribution stations and other AC installations with a highest voltage for equipment of 40.5 kV and a rated frequency of 50 Hz. The non-flame-propagating cast epoxy insulation provides high electrical and mechanical strength and resistance to short-circuit currents, moisture, dust and industrial contamination.

TOLU-ADL-40.5 transformers can be manufactured with one, two, three or four secondary windings for metering and/or protection. A version with selectable transformation ratios is available on request. Climatic version: UHL2. Average service life: at least 40 years. The transformers comply with DSTU EN 61869-1:2017 and DSTU EN 61869-2:2017.

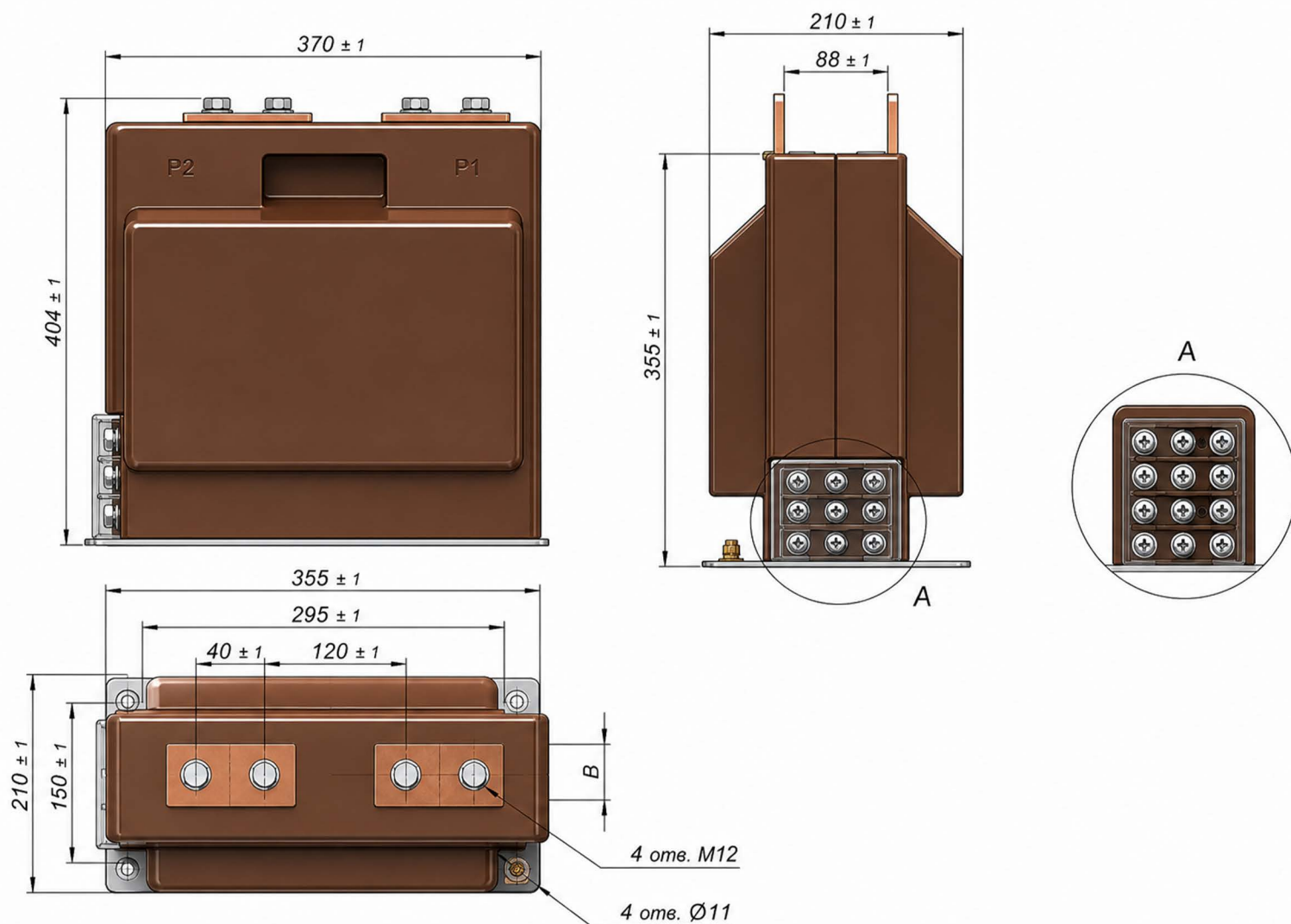


TOLU-ADL-40.5 kV

PARAMETER	VALUE
Highest voltage for equipment, U_m [kV]	40.5
Rated primary current, I_{pn} [A]	5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 300, 400, 500, 600, 750, 800, 1000, 1200, 1500, 2000, 2500, 3000
Rated secondary current, I_{sn} [A]	1 or 5
Rated frequency, f_n [Hz]	50
Accuracy class of metering secondary winding	0.2S 0.2 0.5S 0.5 1
Accuracy class of protection secondary winding	5P; 10P; PX
Rated secondary burden at $\cos(\phi) = 0.8$ - metering winding [VA]	5; 10; 15; 20; 30; 40; 50
Rated secondary burden at $\cos(\phi) = 0.8$ - protection winding [VA]	5; 10; 15; 20; 30; 40
Instrument security factor, FS	FS5 or FS10
Accuracy limit factor, ALF	5; 10; 15; 20; 30
Number of secondary windings	1, 2, 3, 4, 5, 6
Power-frequency withstand voltage [kV]	95
Lightning impulse withstand voltage [kV]	200
Rated insulation level according to DSTU EN 61869-2 [kV]	40.5 / 95 / 200
Climatic version and placement category according to GOST 15150	UHL2
Maximum installation altitude above sea level [m]	1000
Installation	Indoor
Construction	Non-flame-propagating cast epoxy insulation
Maximum mass [kg]	70
Minimum average service life [years]	40
Selectable transformation ratios	Selectable transformation ratios available on request
Standards compliance	DSTU EN 61869-2:2017: Instrument transformers. Part 2: Additional requirements for current transformers.

TOLU-ADL-40.5

Indoor installation





TOLU-ADL-40.5 kV

Outdoor installation

UHL1

TOLU-ADL-40.5 kV

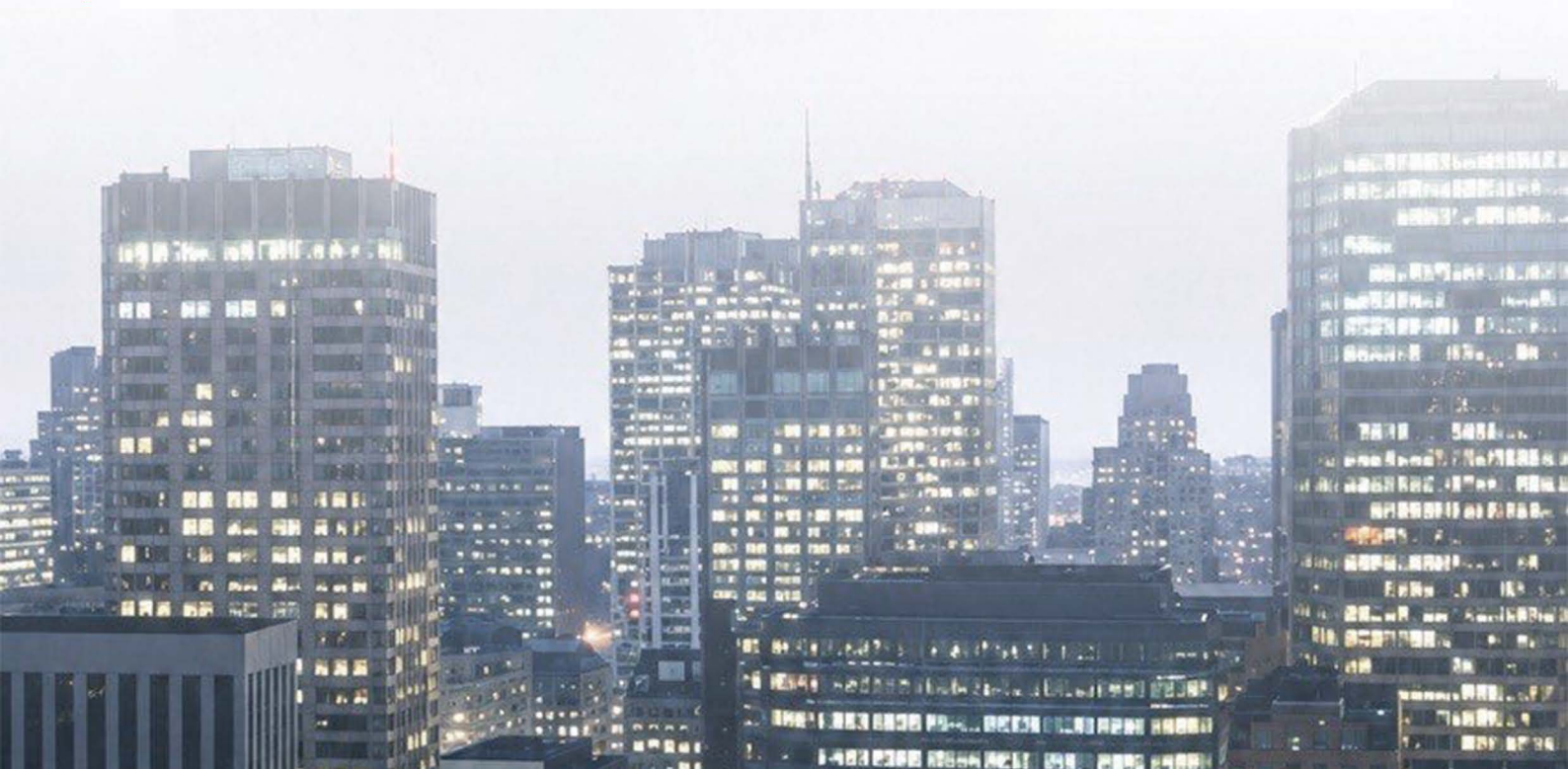
DESCRIPTION

TOLU-ADL-40.5 kV current transformers measure current in electrical networks and transmit measurement information to measuring instruments, electricity meters, relay protection, automation and control systems. The design reliably isolates secondary circuits from the high-voltage network, ensuring safe and stable operation of measuring instruments and relay protection devices.

The transformers are intended for outdoor AC switchyards operating at 50 or 60 Hz, with a highest voltage for equipment of 40.5 kV. Modern monolithic polymer insulation provides high electrical and mechanical performance and resistance to ultraviolet radiation, precipitation, ice, dust, moisture, temperature changes and solar radiation, ensuring reliable, long-lasting operation in various climates.

The number of secondary windings can be selected to meet customer requirements. The design provides high thermal and dynamic short-circuit withstand capability, stable metrological characteristics and reliable operation throughout the service life.

The transformers comply with DSTU EN IEC 61869-2. They have climatic version UHL1, placement category 1, and are intended for continuous outdoor operation in various climatic conditions at altitudes up to 1000 m above sea level.

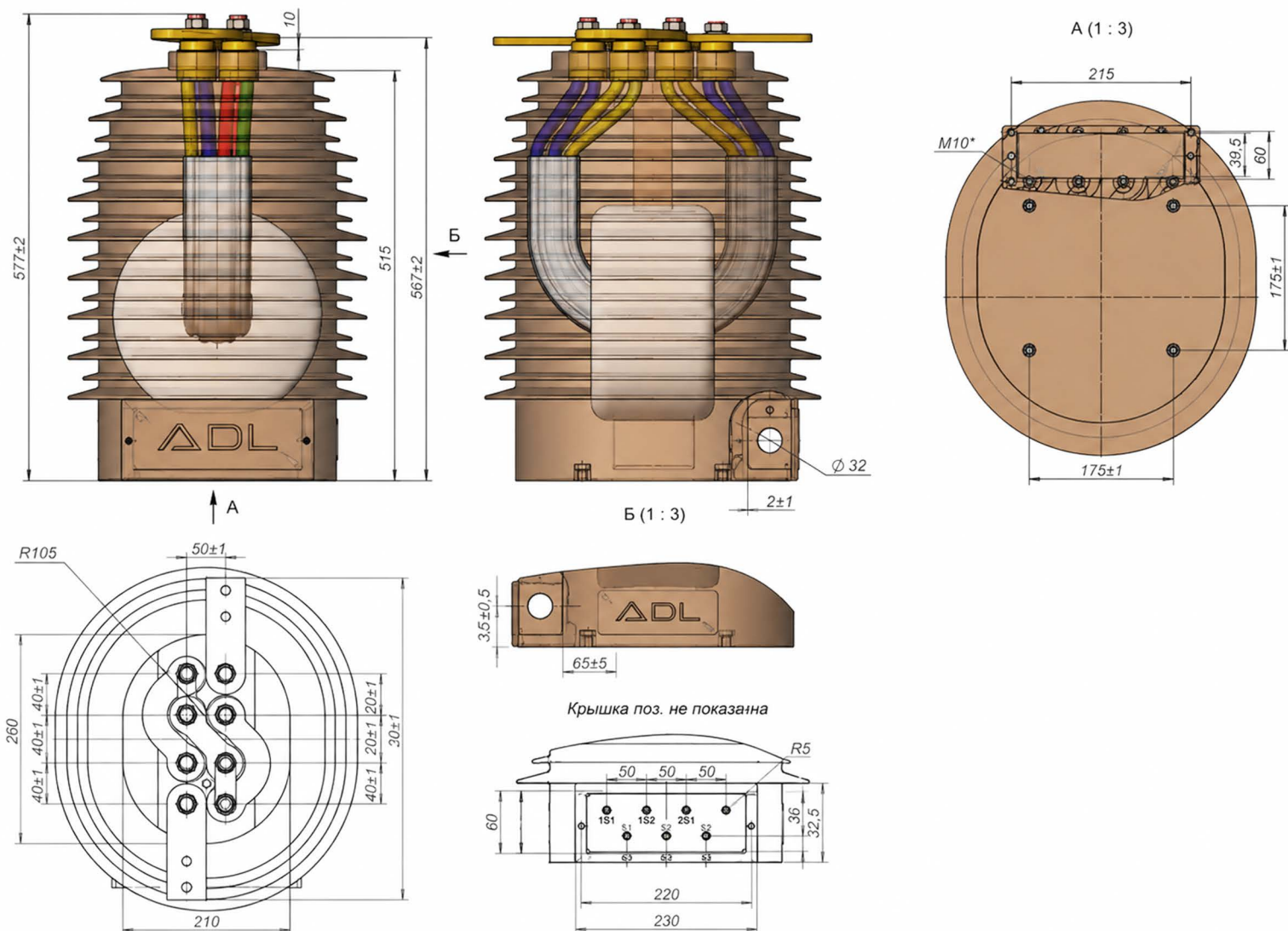


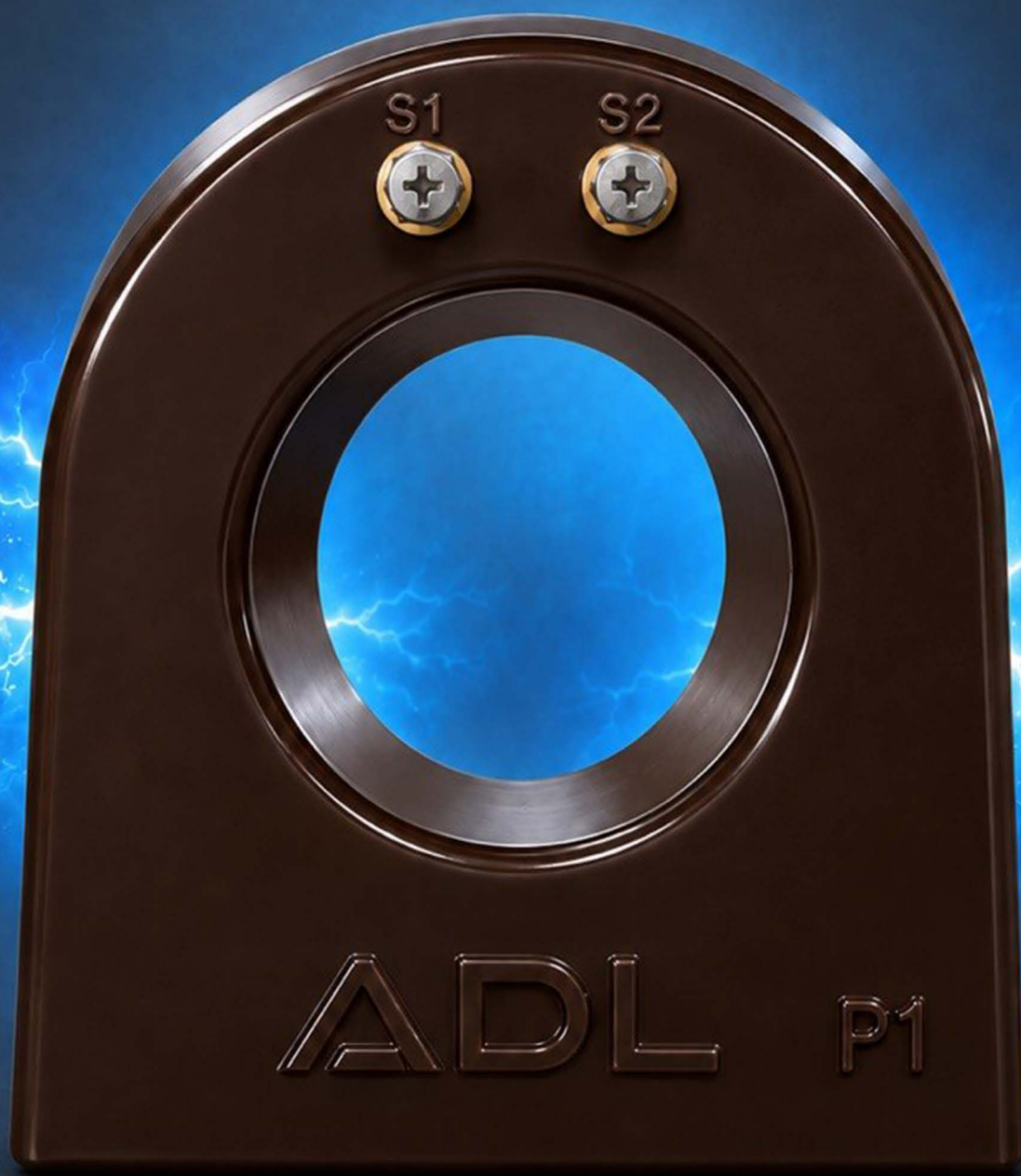
TOLU-ADL-40.5 kV

PARAMETER	VALUE
Highest voltage for equipment, U_m [kV]	40.5
Rated primary current, I_{pn} [A]	5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 300, 400, 500, 600, 750, 800, 1000, 1200, 1500, 2000, 2500, 3000
Rated secondary current, I_{sn} [A]	1 or 5
Rated frequency, f_n [Hz]	50
Accuracy class of metering secondary winding	0.2S 0.2 0.5S 0.5 1
Accuracy class of protection secondary winding	5P; 10P; PX
Rated secondary burden at $\cos(\phi) = 0.8$ - metering winding [VA]	5; 10; 15; 20; 30; 40; 50
Rated secondary burden at $\cos(\phi) = 0.8$ - protection winding [VA]	5; 10; 15; 20; 30; 40
Instrument security factor, FS	FS5 or FS10
Accuracy limit factor, ALF	5; 10; 15; 20; 30
Number of secondary windings	1, 2, 3, 4, 5, 6
Power-frequency withstand voltage [kV]	95
Lightning impulse withstand voltage [kV]	200
Rated insulation level according to DSTU EN 61869-2 [kV]	40.5 / 95 / 200
Climatic version and placement category according to GOST 15150	UHL2
Maximum installation altitude above sea level [m]	1000
Installation	Indoor
Construction	Non-flame-propagating cast epoxy insulation
Maximum mass [kg]	70
Minimum average service life [years]	40
Selectable transformation ratios	Selectable transformation ratios available on request
Standards compliance	DSTU EN 61869-2:2017: Instrument transformers. Part 2: Additional requirements for current transformers.

TOLU-ADL-40.5

Outdoor installation





TZLU-ADL-70

TZLU-ADL-70

DESCRIPTION

TZLU-ADL-70 zero-sequence current transformers monitor zero-sequence currents and transmit signals to relay protection, automation and signalling devices. They are used in switchgear assemblies, KRU, KSO and KTP equipment and other AC electrical installations.

These cast zero-sequence current transformers are intended for indoor installation and have epoxy-compound insulation. They operate in AC networks at 50 or 60 Hz, with a highest voltage for equipment of 0.66 kV. The transformers are manufactured in sizes 70, 100, 125 and 205, with different transformation ratios to suit customer requirements.

The transformers comply with DSTU EN IEC 61869-2, have climatic version U3 and are intended for enclosed electrical installations.

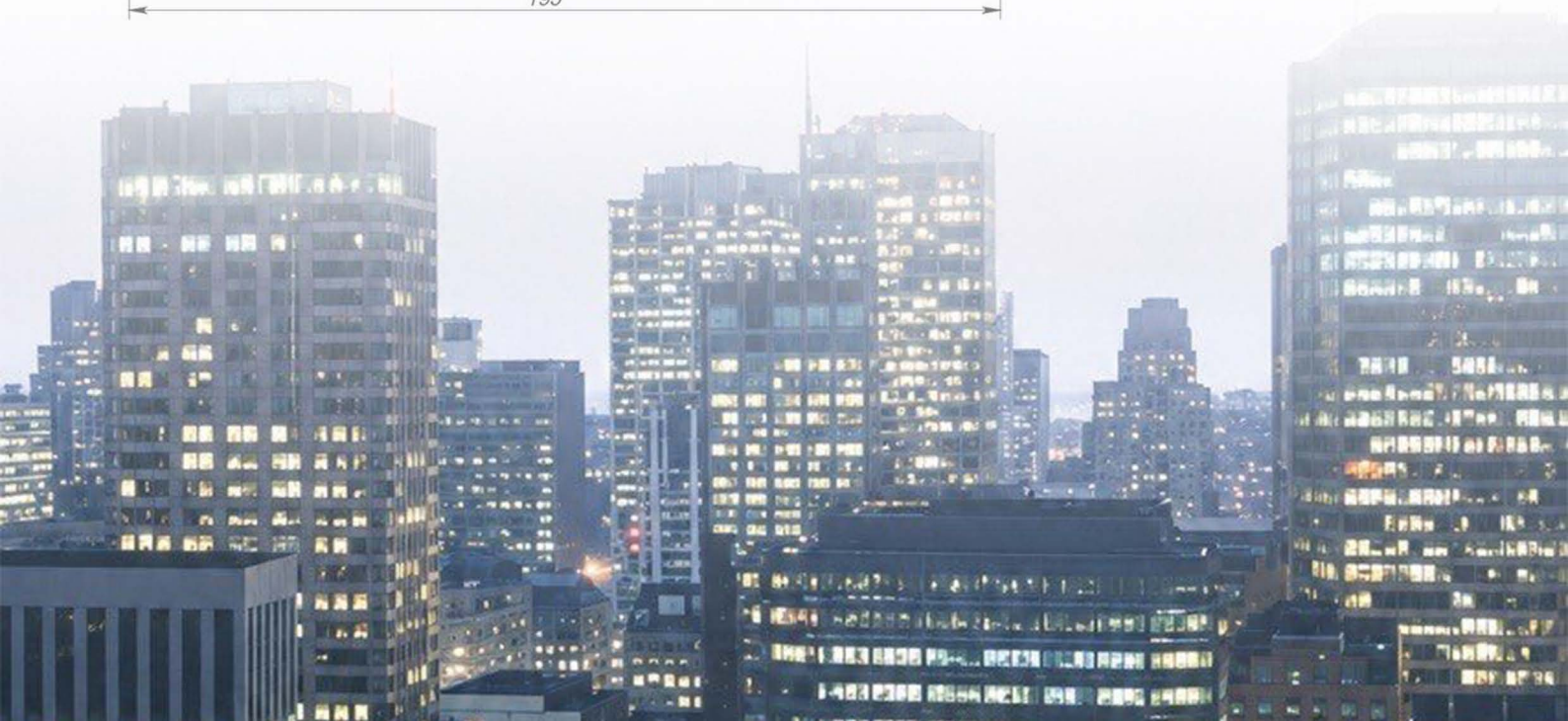
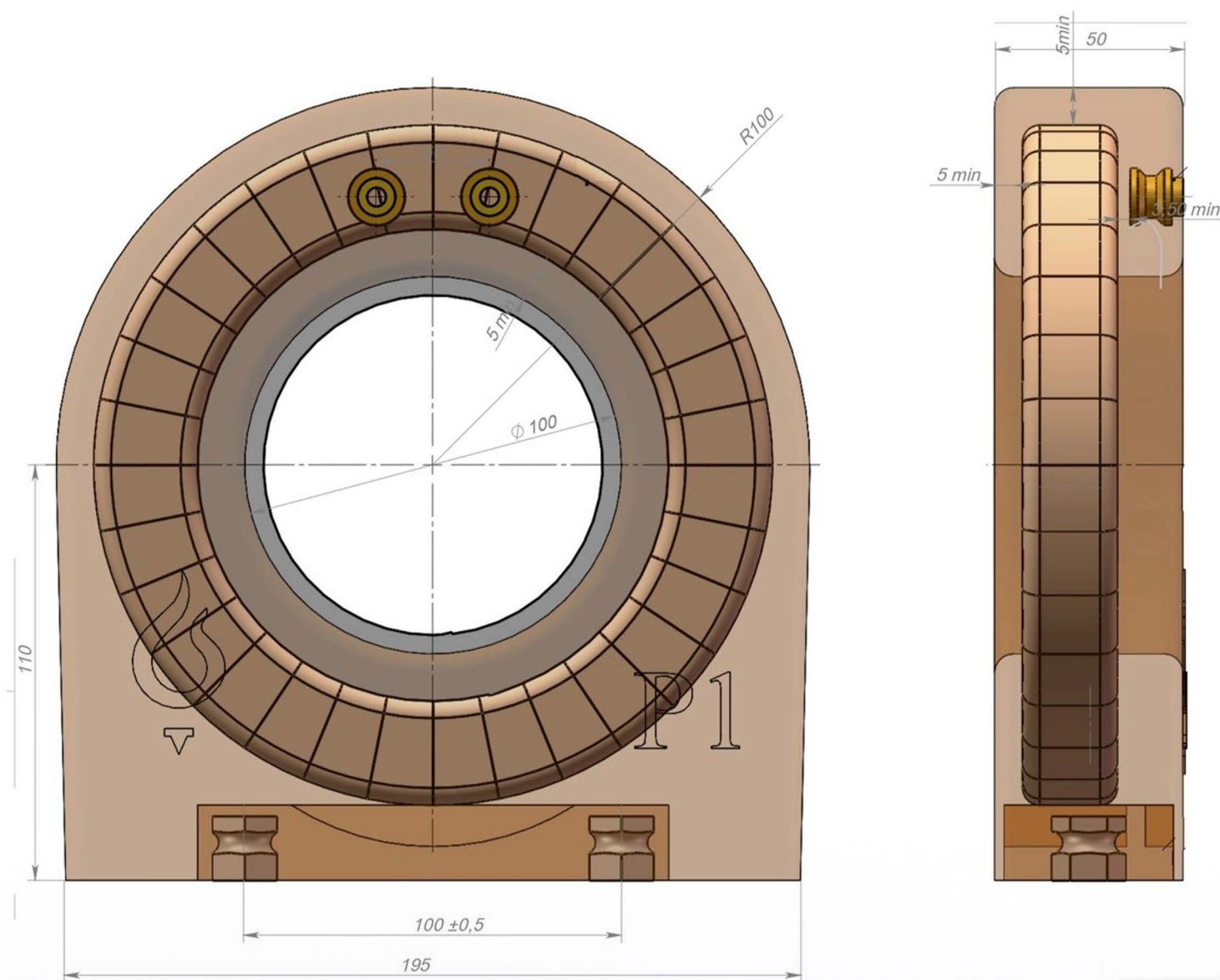


TZLU-ADL-70

PARAMETER	VALUE	
Rated voltage [kV]	0.66	
NOTE When a cable with a rated operating voltage of 10 kV (maximum 12 kV) is installed, the main insulation between the cable conductors and the transformer secondary winding is provided by the cable insulation. The metallic sheath and cable armour must be earthed.		
Rated frequency [Hz]	50	
Number of secondary windings	1	
Transformation ratio	30/1	60/1
Rated primary current [A]	30	60
Maximum primary current [A]	60	250
Rated secondary winding current [A]	1	1
Rated secondary winding burden at cos(phi) = 1 [ohm]	1	1
Maximum secondary winding error at rated burden: - current error [%] - phase displacement [degrees]	f = 1.5% delta = 3	f = 1% delta = 1
Sensitivity at I1-I2 with rated burden and primary current of 0.25 A, minimum [mV]	8	4
1-second thermal withstand current of secondary winding [A]	150	
One-minute insulation withstand voltage [kV]	3	
Mass [kg]	2.1	
Minimum stability of characteristics [years]	50	
Operating warranty [years]	5	
Storage warranty [years]	3	



TZLU-ADL-70





TZLU-ADL-125

Zero-sequence current transformer

TZLU-ADL-125

DESCRIPTION

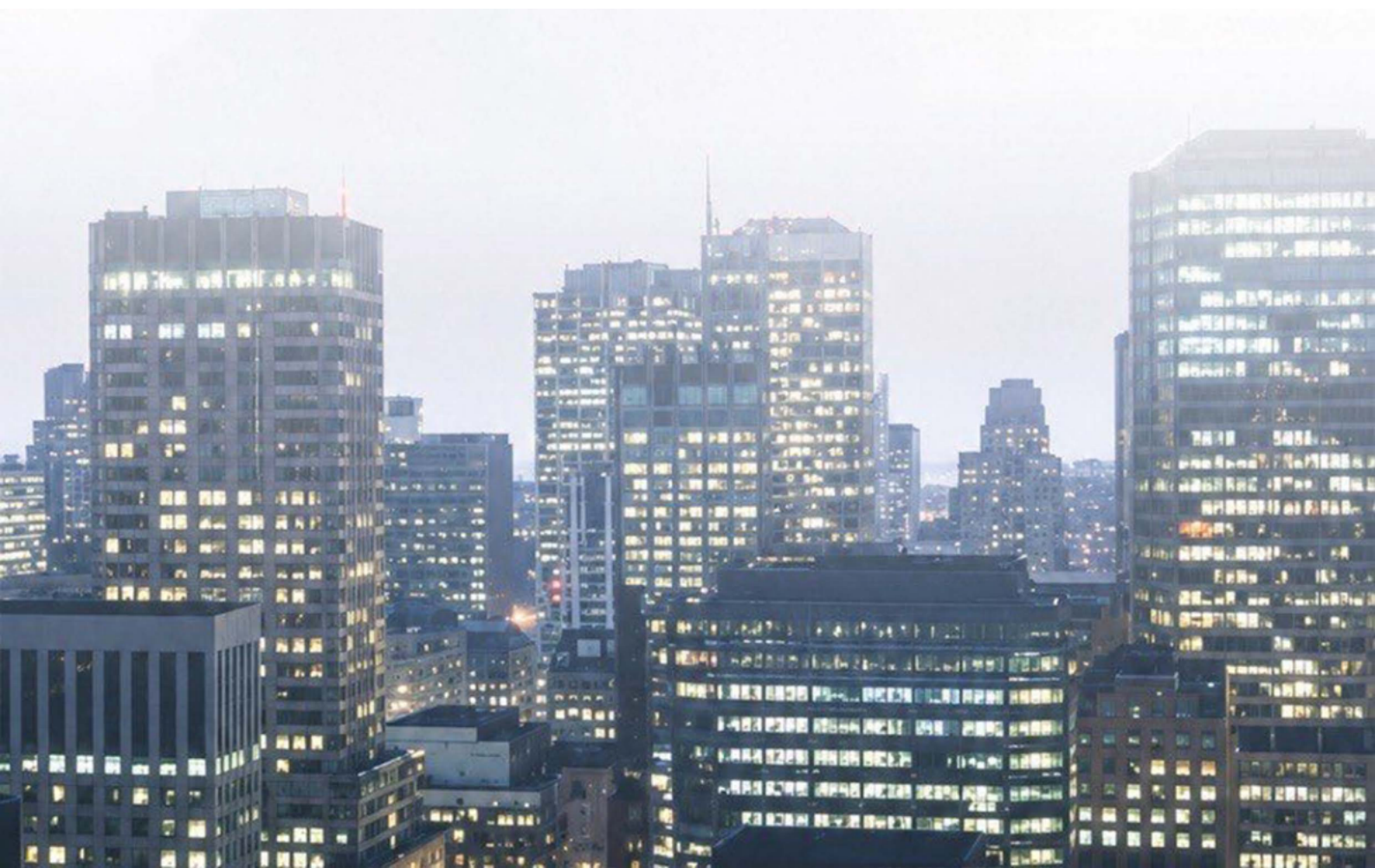
TZLU-ADL-125 zero-sequence current transformers monitor zero-sequence currents and transmit signals to relay protection, automation and signalling devices.

They are used in switchgear assemblies, KRU, KSO and KTP equipment and other AC electrical installations.

These cast zero-sequence current transformers are intended for indoor installation and have epoxy-compound insulation. They operate in AC networks at 50 or 60 Hz, with a highest voltage for equipment of 0.66 kV.

Transformation ratios are selected to meet customer requirements.

The transformers comply with DSTU EN IEC 61869-2, have climatic version U3 and are intended for enclosed electrical installations.

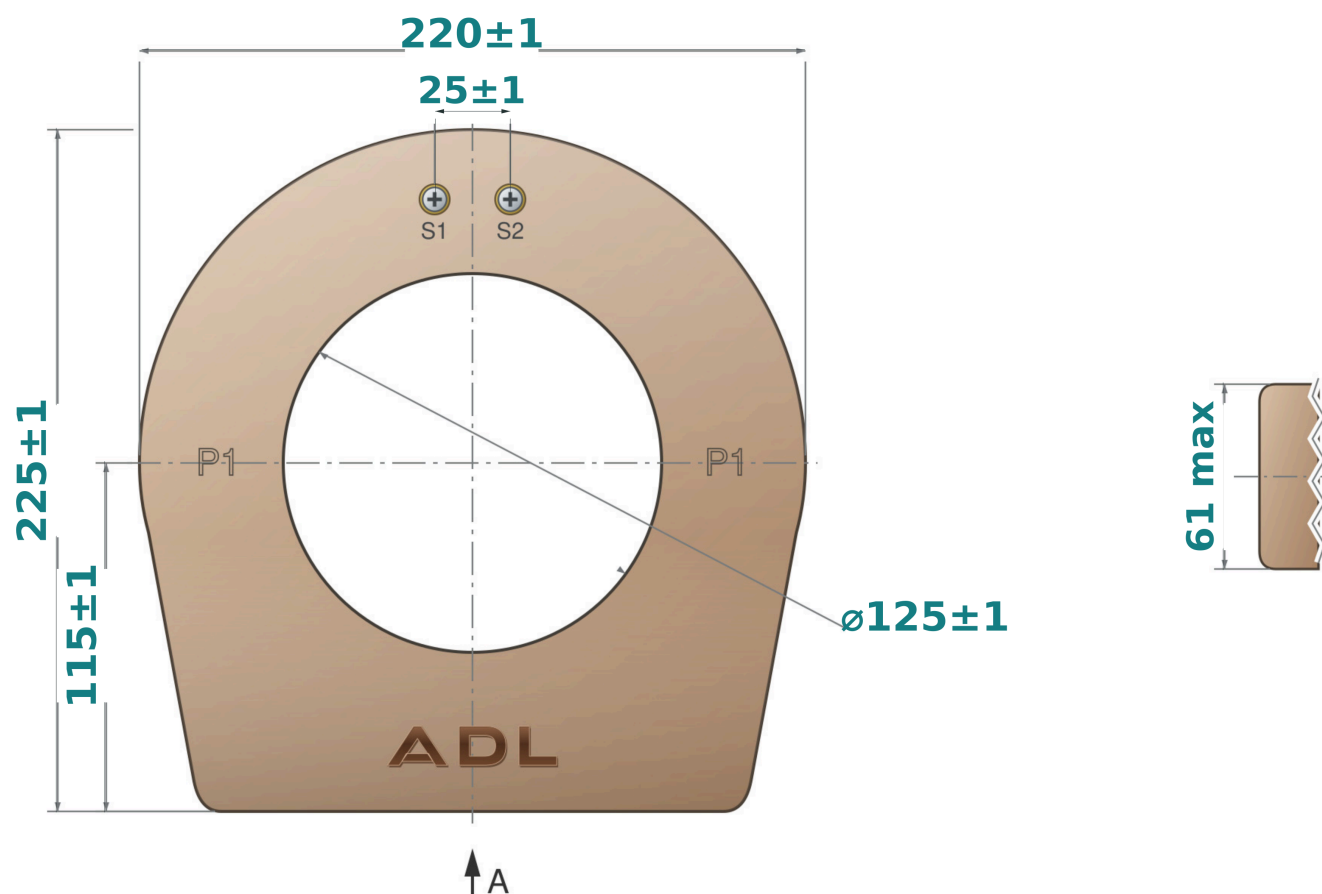


TZLU-ADL-125

PARAMETER	VALUE
Highest voltage for equipment, Um [kV]	0.8
Rated primary current, Ipn [A]	30; 60
Rated secondary current, Isn [A]	1
Rated frequency, Fn [Hz]	50*; 60
Power-frequency withstand voltage [kV]	3
Transformation ratio, Ipn/Isn	30/1; 60/1
Version with selectable ratios	+



TZLU-ADL-125





TZLU-ADL-205

Zero-sequence current transformer

TZLU-ADL-205

DESCRIPTION

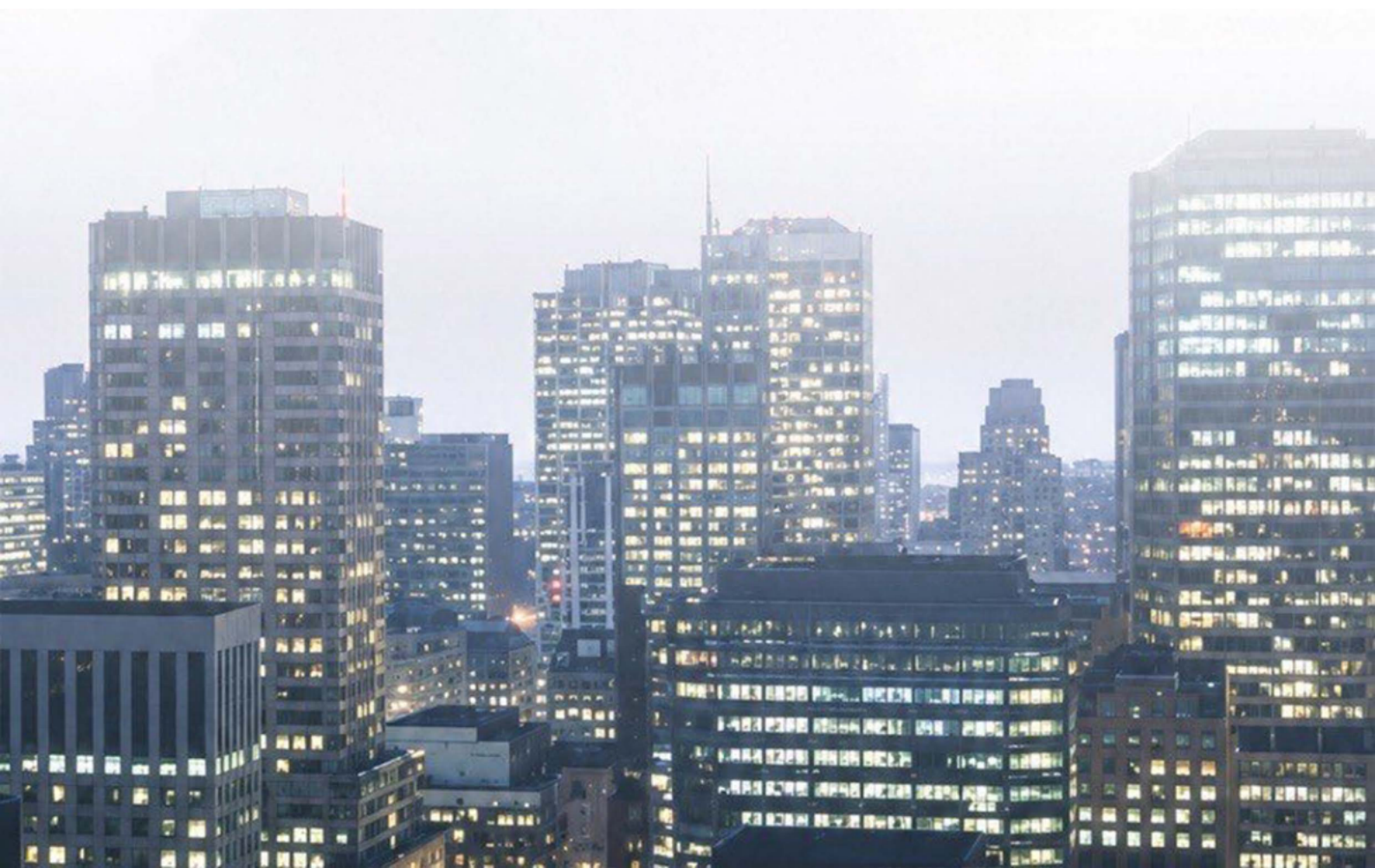
TZLU-ADL-205 zero-sequence current transformers monitor zero-sequence currents and transmit signals to relay protection, automation and signalling devices.

They are used in switchgear assemblies, KRU, KSO and KTP equipment and other AC electrical installations.

These cast zero-sequence current transformers are intended for indoor installation and have epoxy-compound insulation. They operate in AC networks at 50 or 60 Hz, with a highest voltage for equipment of 0.66 kV.

Transformation ratios are selected to meet customer requirements.

The transformers comply with DSTU EN IEC 61869-2, have climatic version U3 and are intended for enclosed electrical installations.

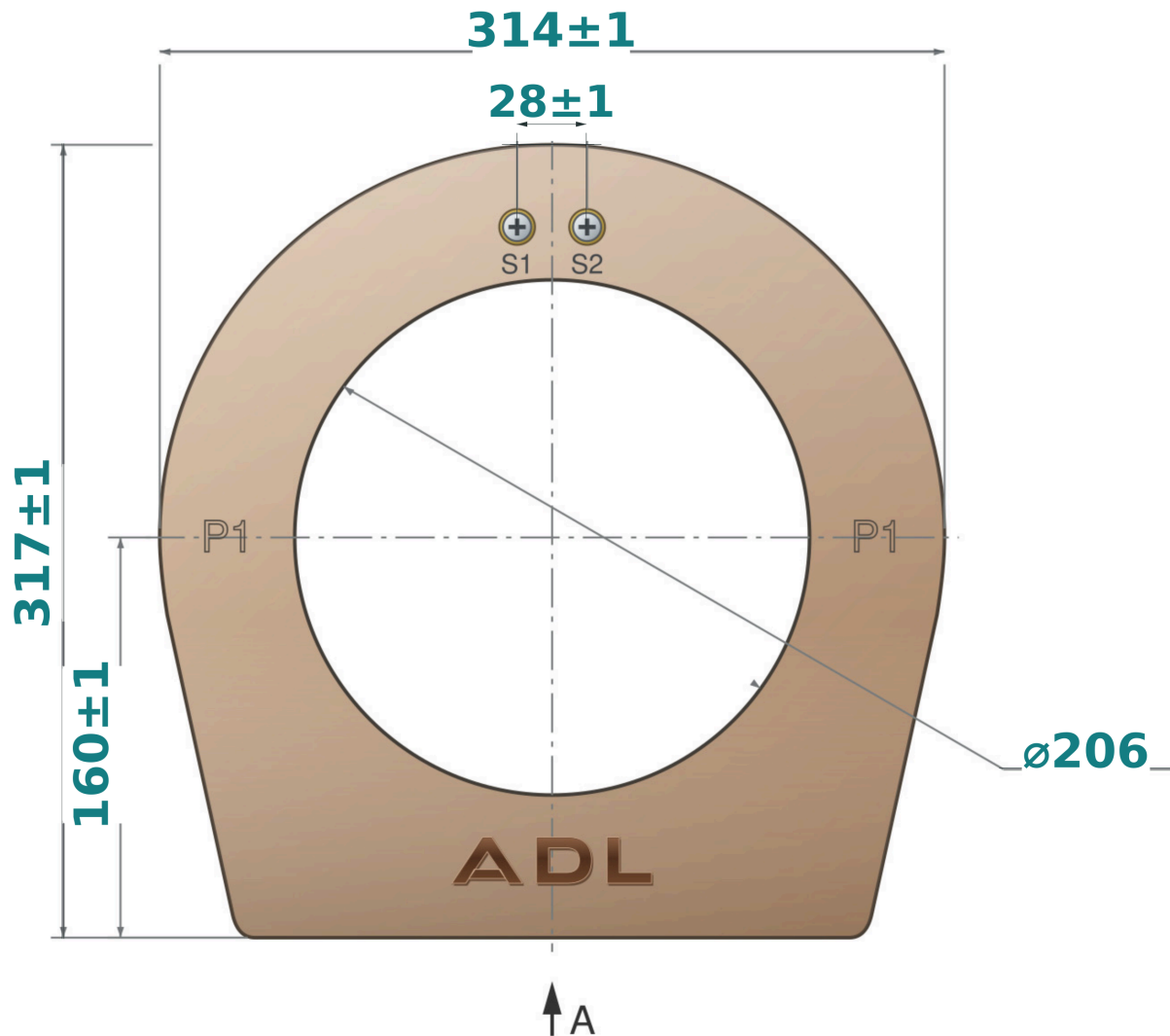


TZLU-ADL-205

PARAMETER	VALUE
Highest voltage for equipment, Um [kV]	0.8
Rated primary current, Ipn [A]	30; 60
Rated secondary current, Isn [A]	1
Rated frequency, Fn [Hz]	50*; 60
Power-frequency withstand voltage [kV]	3
Transformation ratio, Ipn/Isn	30/1; 60/1
Version with selectable ratios	+



TZLU-ADL-205



Voltage transformers

12-123 kV

Reliable, accurate solutions for measurement and protection in power systems from 12 to 123 kV.



Reliability

High-quality materials and stable performance under all operating conditions.



Accuracy

Accurate measurement for metering and protection.



Safety

Compliance with international quality and safety standards.



Standards compliance

DSTU EN 61869-2:2017. Instrument transformers. Part 2: Additional requirements for current transformers.





3-ZNOLP-ADL-12 kV

3-ZNOLP-ADL-12 kV

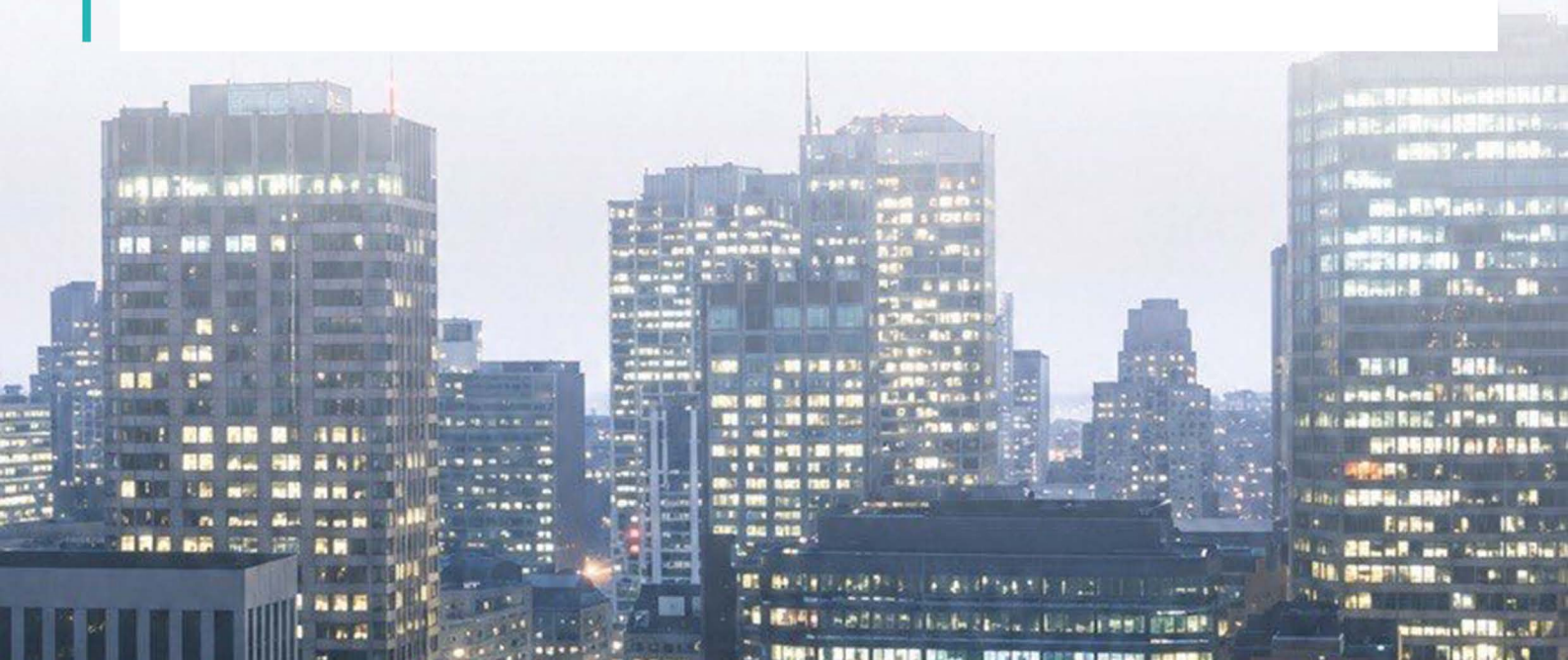
DESCRIPTION

3xZNOL UE-12 transformers are intended for installation in switchgear assemblies (KRU) and bus ducts. They supply metering, protection, automation, signalling and control circuits in AC electrical installations operating at 50 or 60 Hz in networks with an isolated neutral. The transformers have climatic version UHL, placement category 2, in accordance with GOST 15150. They may operate in any orientation. The primary terminal can be located at either the front or rear of the transformer.

IMPORTANT: the three-phase group can be supplied in four configurations. When ordering, specify the required group configuration clearly: three ZNOL-UE transformers - 3xZNOL UE-7.2 and 3xZNOL UE-12; one ZNOL-UE transformer in the centre and two ZNOL1-UE transformers at the sides - 3xZNOL UE(1)-7.2 and 3xZNOL-UE(1)-12; or two ZNOL-UE transformers at the sides and one ZNOL1-UE transformer in the centre - 3xZNOL-UE(2)-7.2 and 3xZNOL-UE(2)-12.

To improve resistance to ferroresonance and intermittent arcing, a 25 ohm resistor rated for a continuous current of 4 A is recommended in the additional windings connected in an open delta and used for network insulation monitoring. The single-phase transformers of the three-phase group comply with DSTU IEC 60044-2:2008 and GOST 1983-2001.

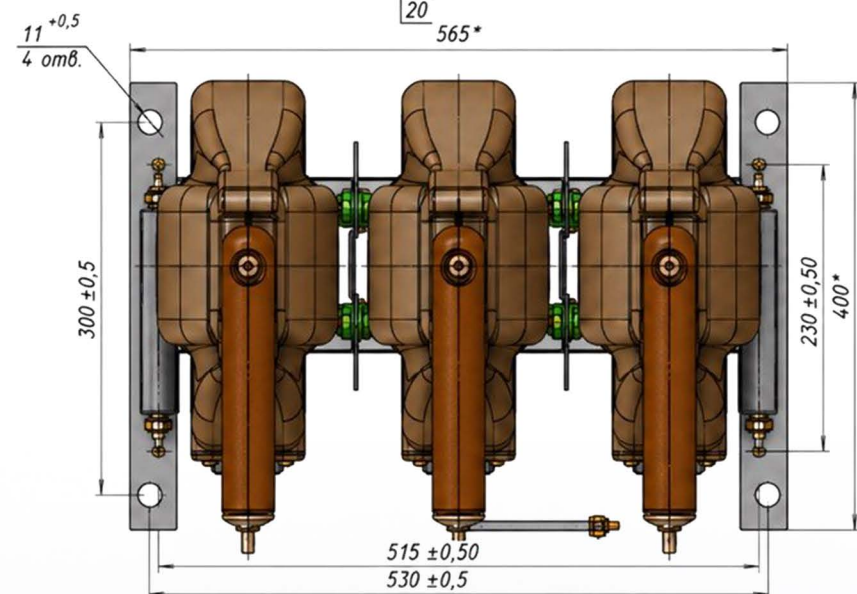
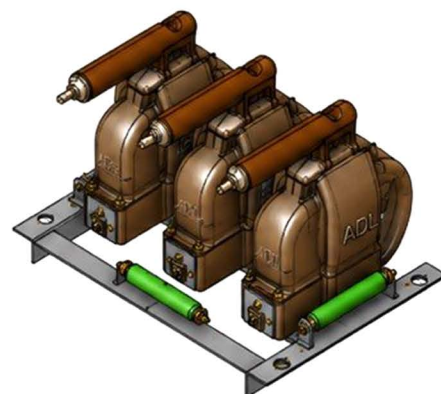
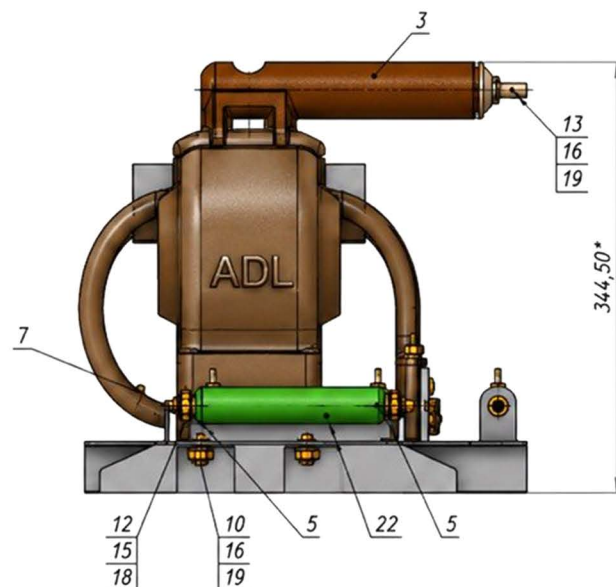
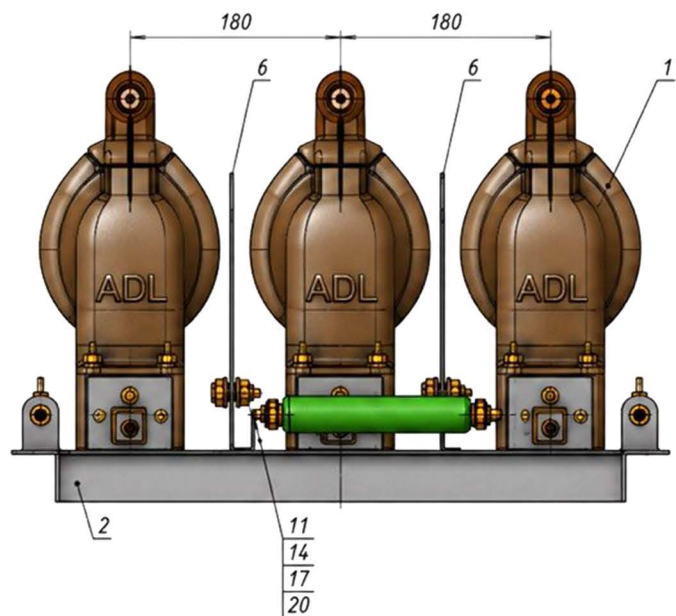
The operating warranty is 5 (five) years from commissioning, but no more than 5.5 years from dispatch by the manufacturer. Service life: 40 years.



3-ZNOLP-ADL-12 kV

PARAMETER	VALUE
Transformer type	3xZNOLP-ADL-12
Configuration	Three-phase group of three single-phase earthed voltage transformers
System voltage class	10 kV
Maximum operating voltage	12 kV
Rated frequency	50 Hz
Rated primary winding voltage	$10000/\sqrt{3}$ V
Rated primary voltage options	$10000/\sqrt{3}$; $10500/\sqrt{3}$; $11000/\sqrt{3}$ V
Rated main secondary winding voltage	$100/\sqrt{3}$ V
Rated additional secondary winding voltage	$100/3$ V
Main secondary winding accuracy classes	0.2; 0.5; 1.0; 3.0
Additional secondary winding accuracy classes	3 / 3P
Rated main secondary burden, class 0.2	50 VA
Rated main secondary burden, class 0.5	75 VA
Rated main secondary burden, class 1.0	150 VA
Rated main secondary burden, class 3.0	300 VA
Rated additional secondary burden	300 VA
Maximum output outside the accuracy class	630 VA
Power-frequency withstand voltage	42 kV, 1 min
Lightning impulse withstand voltage	75 kV
Insulation type	Cast epoxy insulation
Installation	Indoor
Climatic version	UHL2
Primary winding connection	Star with earthed neutral
Main secondary winding connection	Star
Additional secondary winding connection	Open delta
Number of transformers in the group	3 units
Application	Voltage measurement, commercial and technical electricity metering, relay protection, automation and insulation monitoring

3-ZNOLP-ADL-12 kV





2-B Zhmerynska Street, Kyiv, Ukraine

0-800-300-701

Calls within Ukraine are free

General enquiries

info@adl.in.ua

Sales department

sales@adl.in.ua

adl.in.ua