AIZ

Line polymer insulators
IPPU®

IPPU-10/630-8 UHL1

CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 630 – nominal current, A 8 – minimal bending strength, kN UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	630
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	16
Fitting dimensions, mm	45x2 / Ø14
Flange fitting dimmensions, mm	140x140 4 / Ø13
Weight, not more than, kg	10

APPLICATION AREA

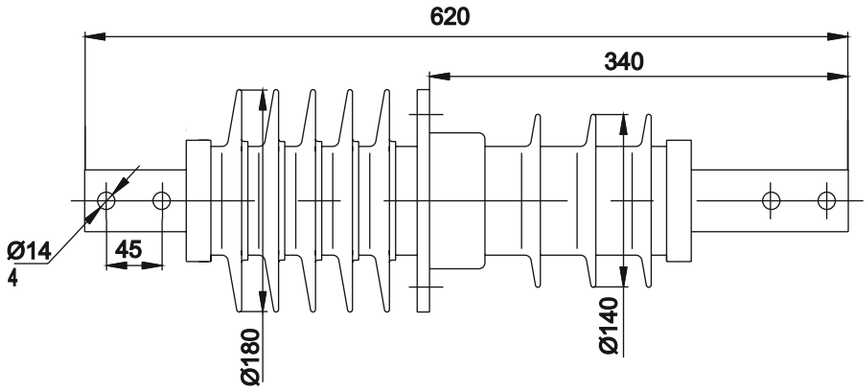
Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

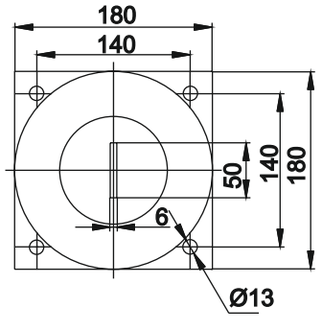
Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-10/630-8UHL1

- Completeness
- Visual Inspection (outer view and marking)
- Weight, lenght of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand. Deviation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term test voltage in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

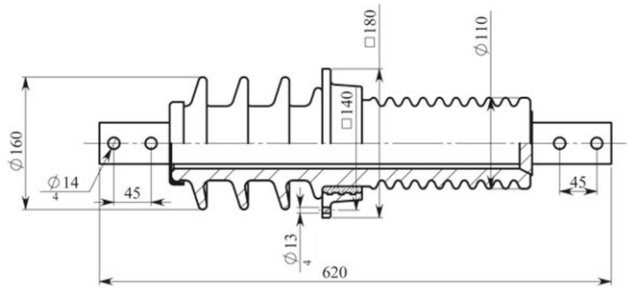
GOST 20454-85
TU3493-014-53937652-07



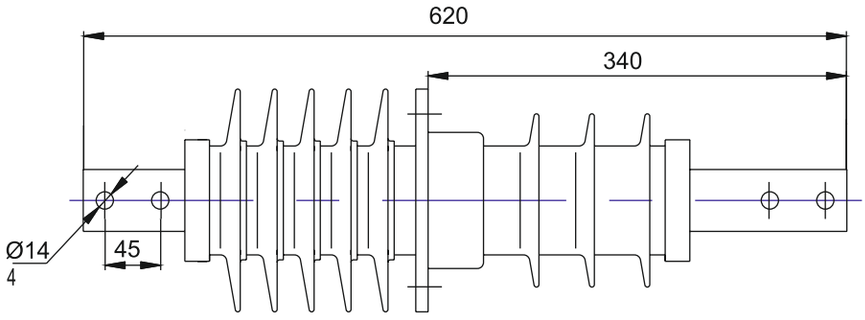


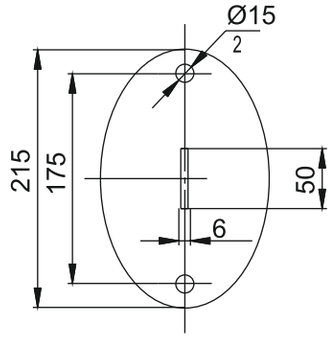
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/630/7,5 UHL1 (discontinued)



IPPU-10/630-8-01 UHL1





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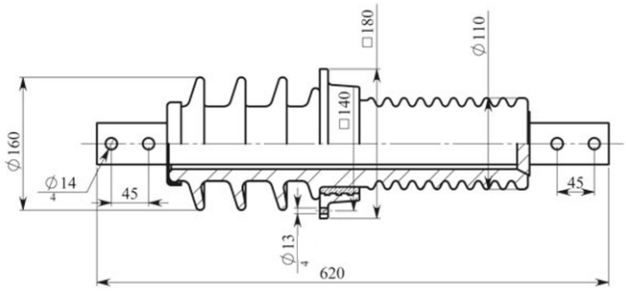
Porcelain insulator IPU-10/630/7,5 UHL (discontinued)



CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 630 – nominal current, A 8 – minimal bending strength, kN 01 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	630
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	16
Fitting dimensions, mm	45x2 hol. Ø14
Flange fitting dimmensions, mm	175x2 hol. Ø15
Weight, not more than, kg	16

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

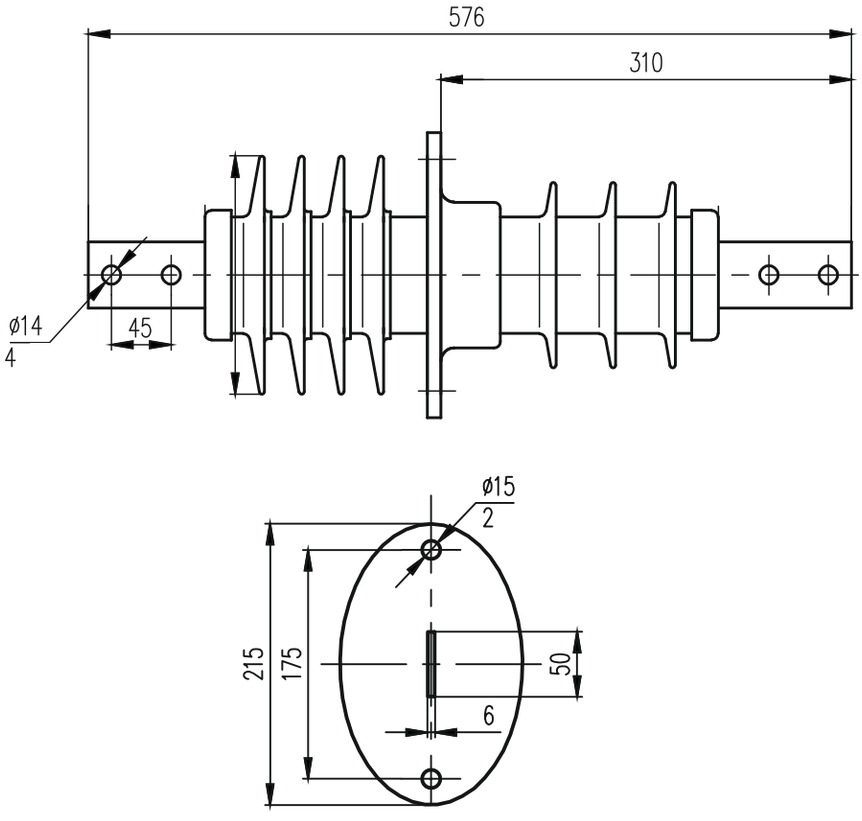
Type tests
IPPU-10/630-8-01 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

GOST 20454-85
TU3493-014-53937652-07

IPPU-10/630-8-02 UHL1

CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 630 – nominal current, A 8 – minimal bending strength, kN 02 – insulator modification 01 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	630
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current, kA	16
Fitting dimensions, mm	45x2 hol. Ø14
Flange fitting dimmensions, mm	175x2 hol. Ø15
Weight, not more than, kg	10



APPLICATION AREA

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Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-10/630-8-02 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
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- Adhesion of coating layer to insulating body

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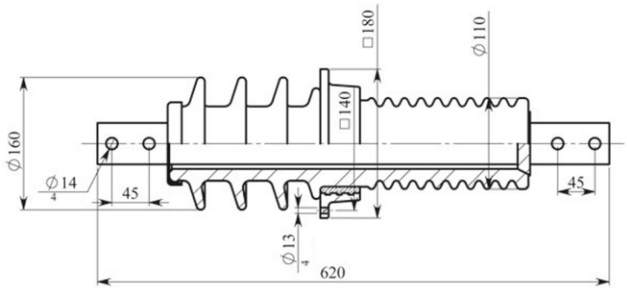
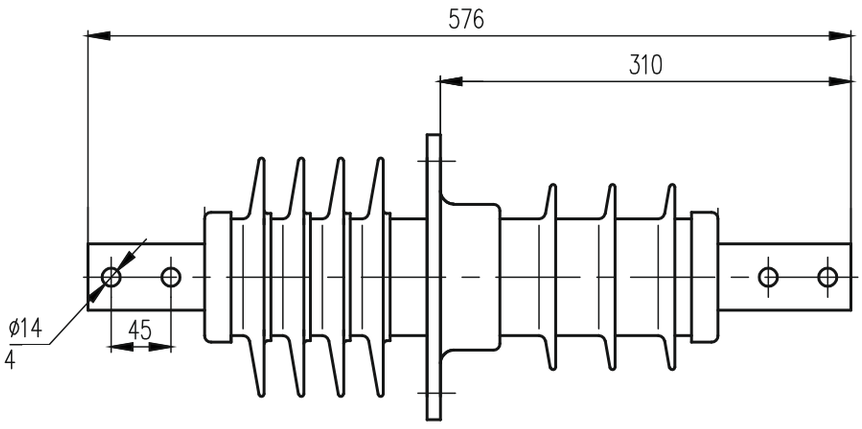
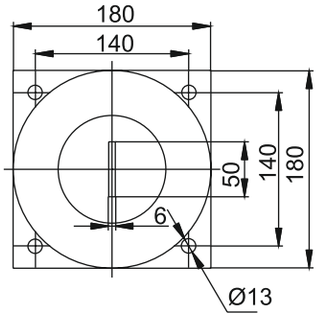
Porcelain insulator IPU-10/630-7,5 UHL1 (discontinued)



IPPU-10/630-8-03 UHL1





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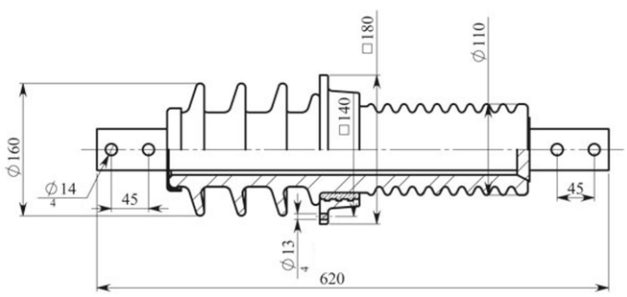


CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 630 – nominal current, A 8 – minimal bending strength, kN 03 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	630
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	16
Fitting dimensions, mm	45x2 hol. Ø14
Flange fitting dimmensions, mm	140x140 4 hol. Ø13
Weight, not more than, kg	10

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/630-8-03 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

GOST 20454-85
TU3493-014-53937652-07

IPPU-10/630-12,5 UHL1

CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
10 – nominal voltage, Kv
630 – nominal current, A
12,5 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	630
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current, kA	16
Fitting dimensions, mm	45x2 hol. Ø14
Flange fitting dimmensions, mm	140x140 4 hol. Ø13
Weight, not more than, kg	10

APPLICATION AREA

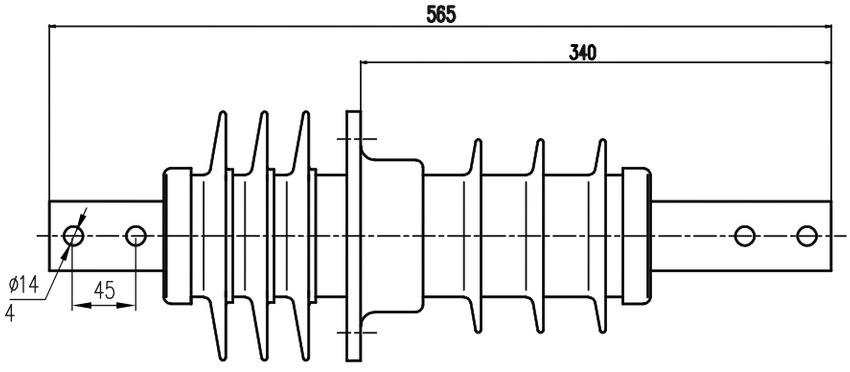
Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

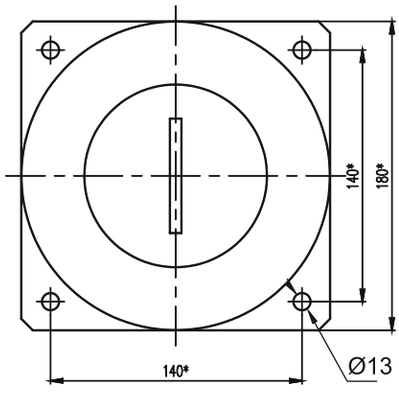
Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-10/630-8-02 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

GOST 20454-85
TU3493-014-53937652-07





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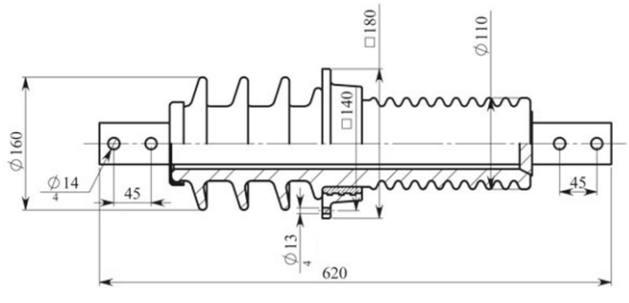
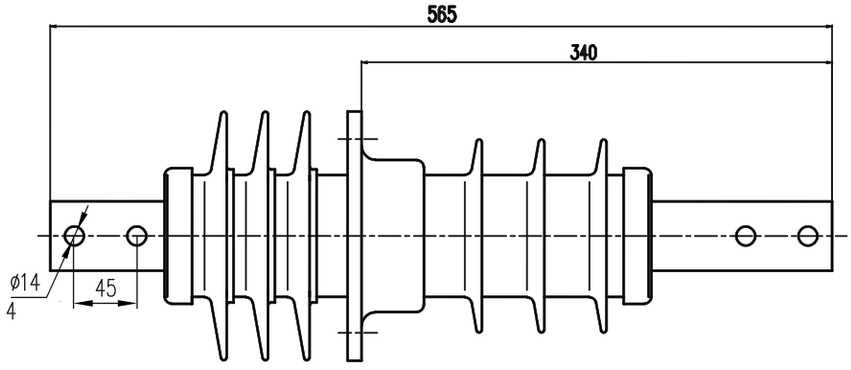
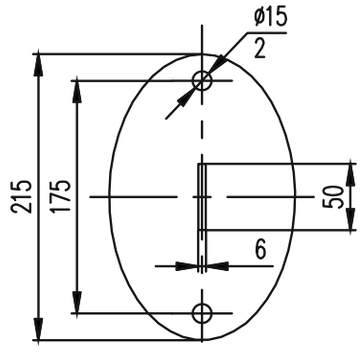
Porcelain insulator IPU-10/630-7,5 UHL1 (discontinued)



IPPU-10/630-12,5-01 UHL1





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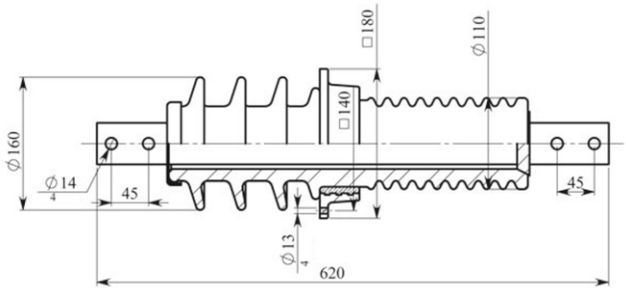
Porcelain insulator IP-10/630-7,5 UHL1 (discontinued)



CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
10 – nominal voltage, Kv
630 – nominal current, A
12,5 – minimal bending strength, kN
01 – insulator modification
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	630
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	16
Fitting dimensions, mm	45x2 hol. Ø14
Flange fitting dimmensions, mm	175x2 hol. Ø15
Weight, not more than, kg	10

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

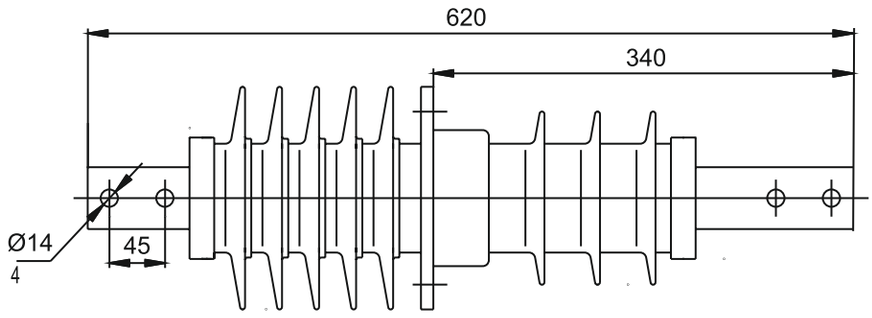
Type tests
IPPU-10/630-12,5-01 UHL1

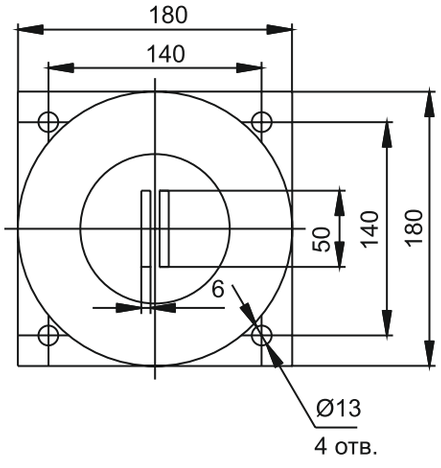
- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

GOST 20454-85
TU3493-014-53937652-07

IPPU-10/1000-8 UHL1

CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 1000 – nominal current, A 8 – minimal bending strength, kN UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	1000
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current, kA	25
Fitting dimensions, mm	50x6 2 busbars 45x4 hol. Ø13
Flange fitting dimmensions, mm	140x140 4 hol. Ø14
Weight, not more than, kg	10





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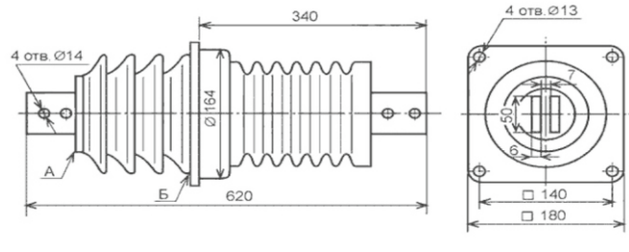
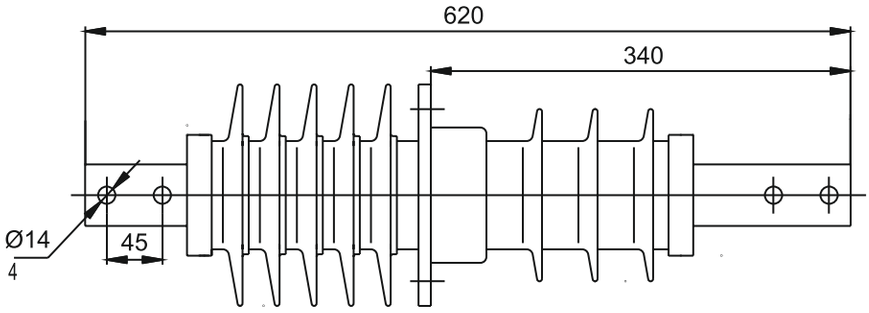
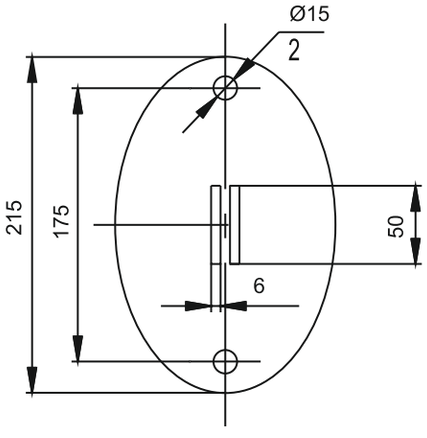
Porcelain insulator IPU-10/630-7,5 UHL1 (discontinued)



IPPU-10/1000-8-01 UHL1





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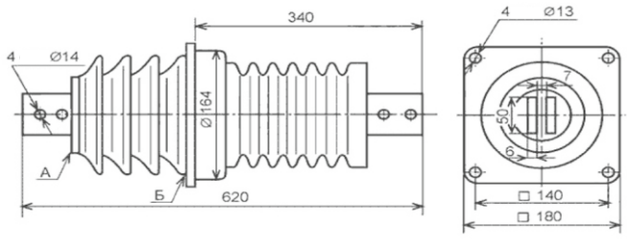
Porcelain insulator IPU-10/1000-7,5 UHL1 (discontonued)



CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 1000 – nominal current, A 8 – minimal bending strength, kN 01 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	1000
Minimal creepage distance, cm	35
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	35
Fitting dimensions, mm	50x6 2 busbars 45x4 hol. Ø14
Flange fitting dimmensions, mm	175x2 hol.Ø15
Weight, not more than, kg	10

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/1000-8-01 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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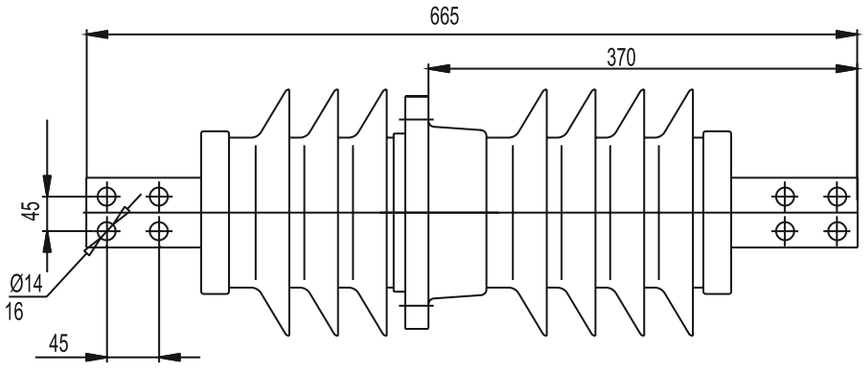
IPPU-10/1600-12,5 UHL1

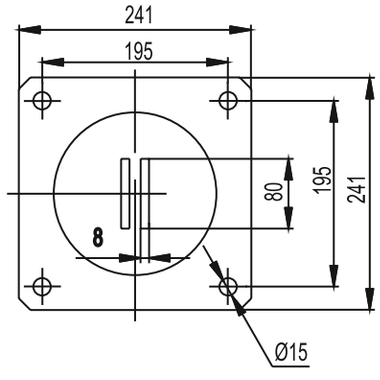
CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
10 – nominal voltage, Kv
1600 – nominal current, A
12,5 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	1600
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current, kA	40
Fitting dimensions, mm	2 busbars 45x45 4 hol. Ø14
Flange fitting dimmensions, mm	195x195 4 hol. Ø15
Weight, not more than, kg	19





APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Type tests IPPU-10/1600-12,5 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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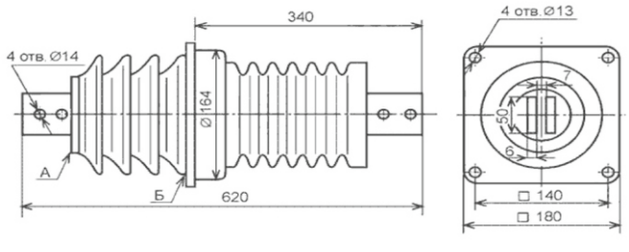
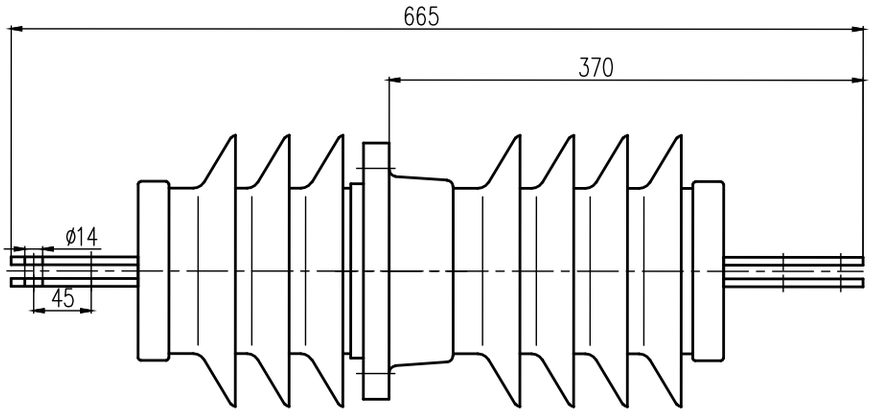
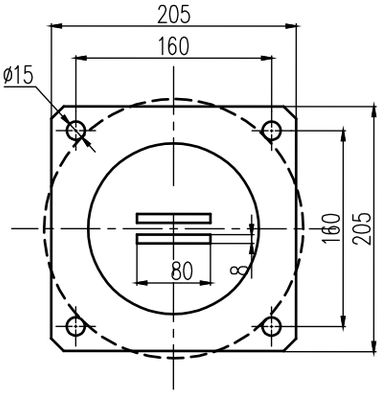
TU3493-014-53937652-07

Porcelain insulator IP-10/1600-12,5 UHL2 (discontinued)



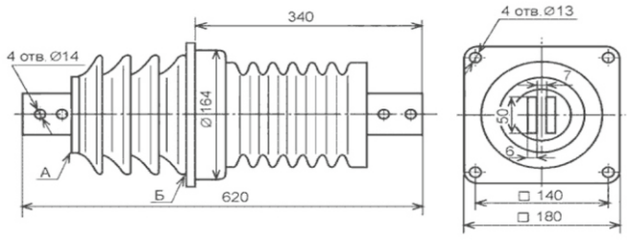
IPPU-10/1600-12,5-01 UHL1





High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/1600-12,5 UHL1 (discontinued)



CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 1600 – nominal current, A 12,5 – minimal bending strength, kN 01 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	12
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	1600
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	50
Fitting dimensions, mm	2 busbars 45x4 hol. Ø14
Flange fitting dimmensions, mm	160x160 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/1600-12,5-01 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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IPPU-10/1600-12,5-02 UHL1

CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 1600 – nominal current, A 12,5 – minimal bending strength, kN 02 – insulators modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	1600
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current, kA	40
Fitting dimensions, mm	2 busbars 45x45 4 hol. Ø18
Flange fitting dimmensions, mm	195x195 4 hol. Ø13
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/1600-12,5 02 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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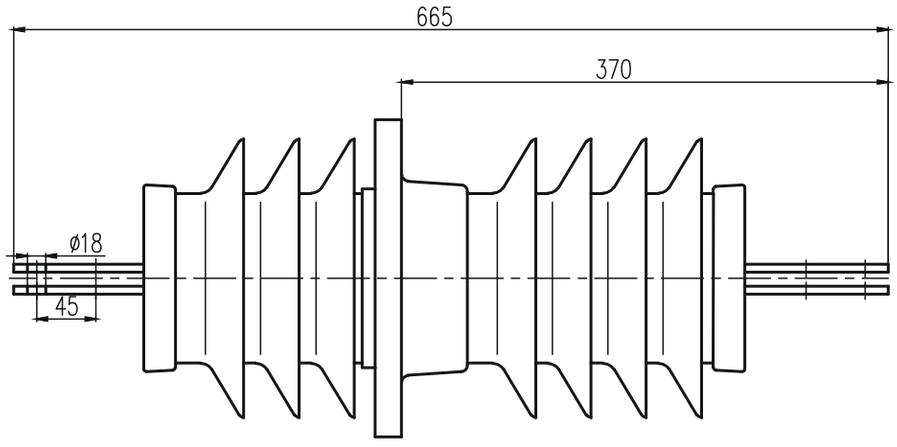
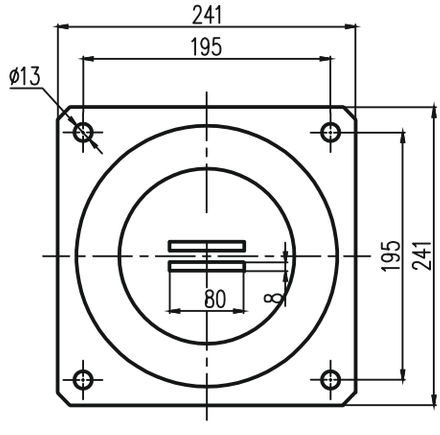


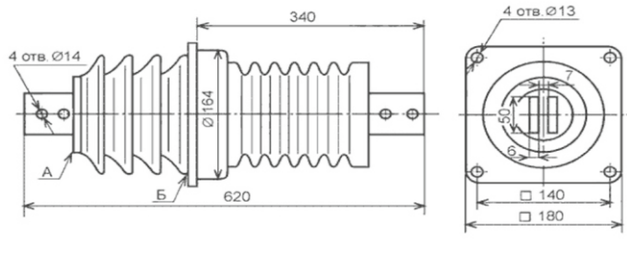


High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.

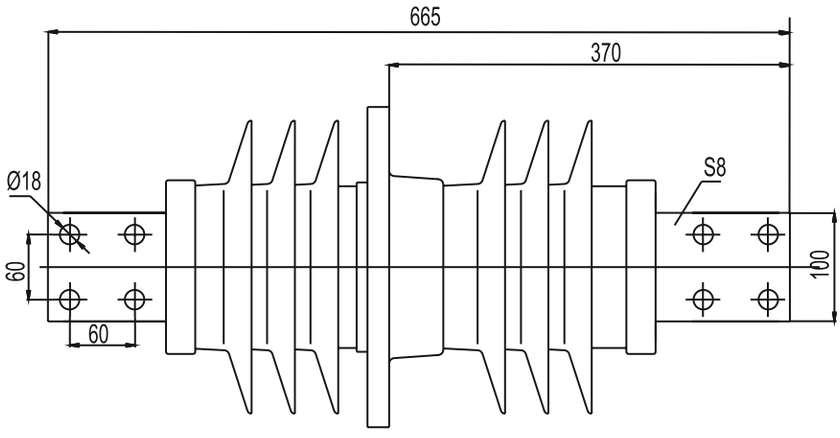
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.

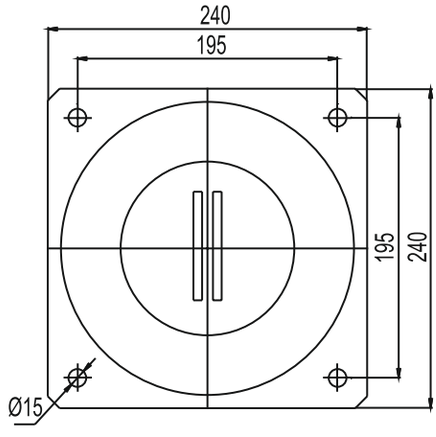
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/2000-12,5 UHL1 (discontinued)



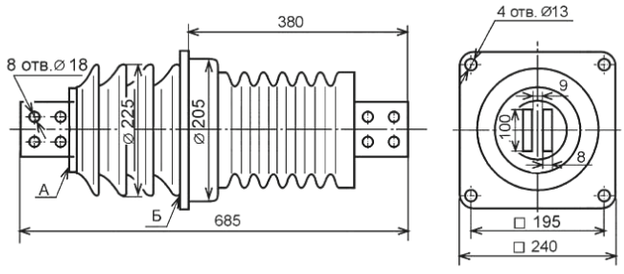
IPPU-10/2000-12,5 UHL1





High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/2000-12,5 UHL1 (discontinued)



CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 2000 – nominal current, A 12,5 – minimal bending strength, kN UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	12
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	2000
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	50
Fitting dimensions, mm	2 busbars 60x60 8 hol. Ø18
Flange fitting dimmensions, mm	195x195 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/2000-12,5 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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IPPU-10/2000-12,5-01 UHL1

CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 2000 – nominal current, A 12,5 – minimal bending strength, kN 01 – insulators modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	12
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	2000
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current, kA	50
Fitting dimensions, mm	2 busbars 60x60 4 hol. Ø18
Flange fitting dimmensions, mm	195x195 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/2000-12,5-01 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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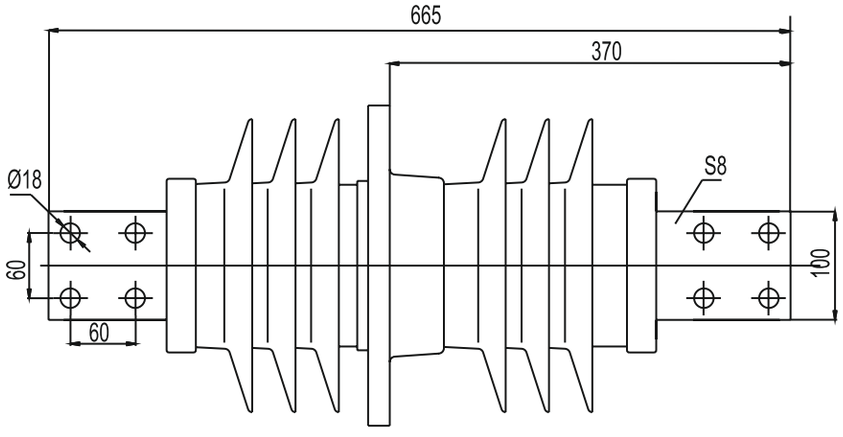
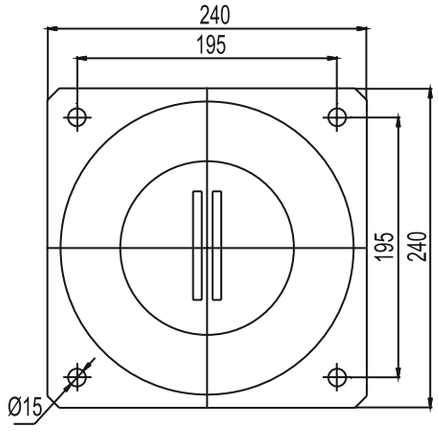
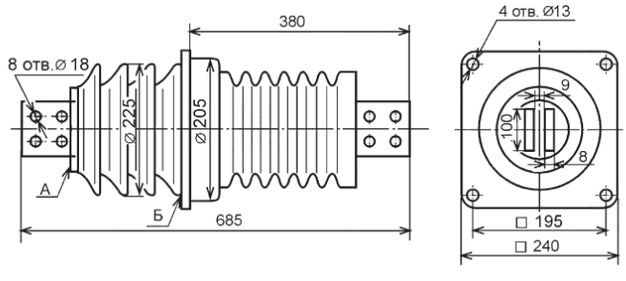


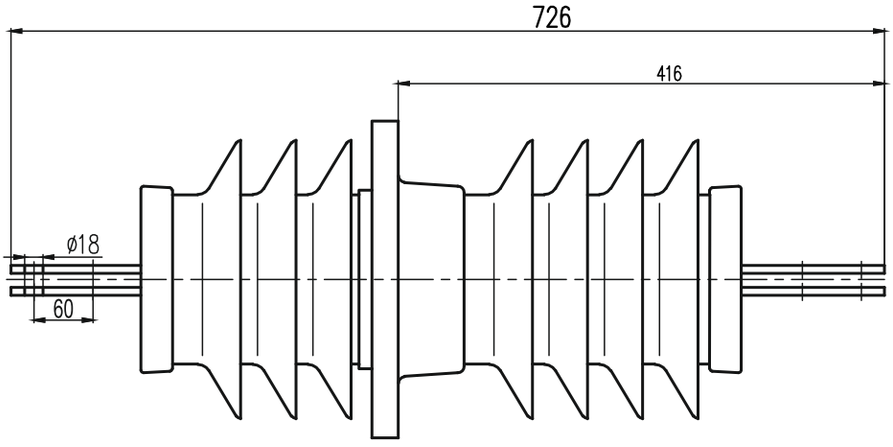


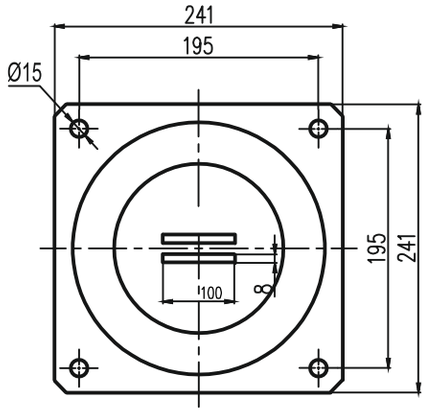
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/2000 -12,5 UHL1 (discontinued)



IPPU-10/2000-12,5-02 UHL1





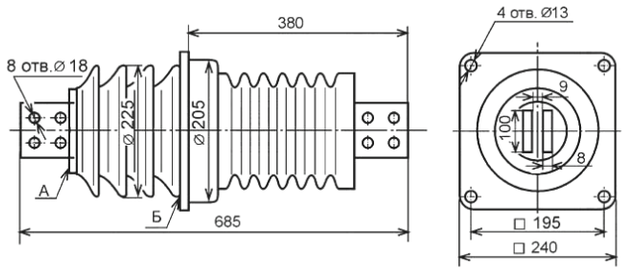
CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 2000 – nominal current, A 12,5 – minimal bending strength, kN UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	12
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	2000
Minimal creepage distance, cm	40
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	50
Fitting dimensions, mm	2 busbars 60x60 8 hol. Ø18
Flange fitting	195x195 4 hol. Ø15
Weight, not more than, kg	19

High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.

As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.

Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/2000-12,5 UHL1 (discontinued)



APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/2000-12,5-02 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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IPPU-10/3150-12,5 UHL1

CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
10 – nominal voltage, Kv
3150 – nominal current, A
12,5 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	3150
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current, kA	80
Fitting dimensions, mm	3 busbars 60x60 4 hol. Ø18
Flange fitting dimmensions, mm	195x195 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-10/3150-12,5 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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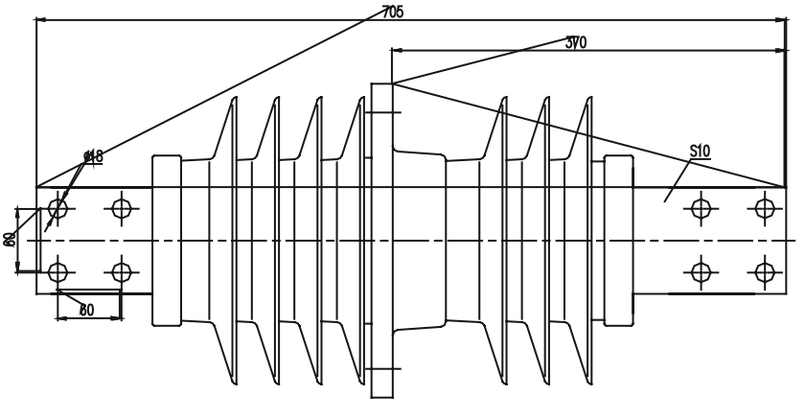
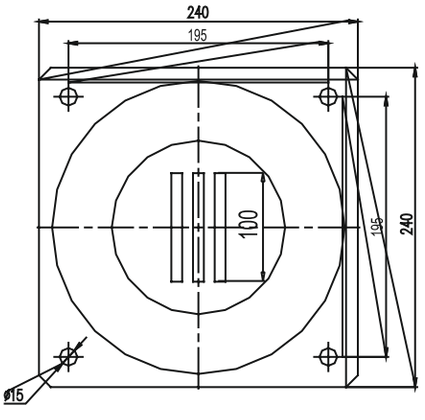
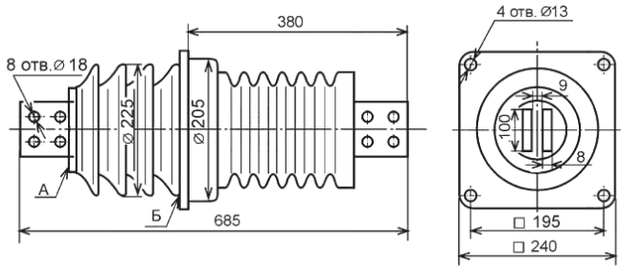


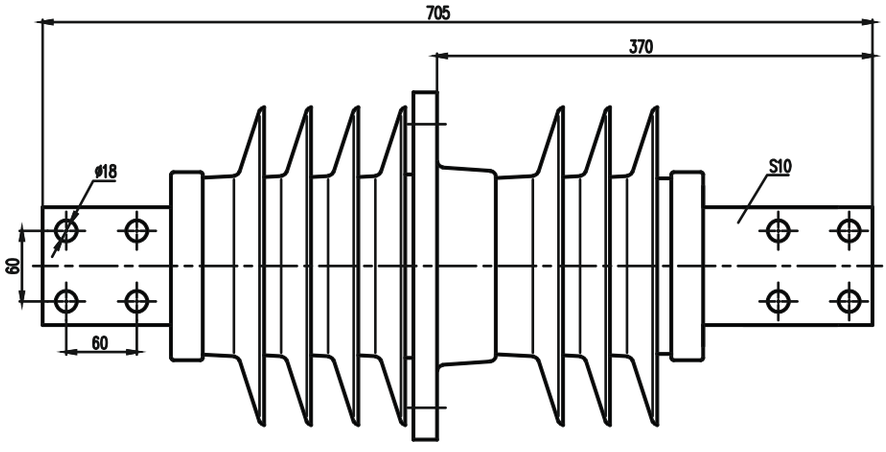


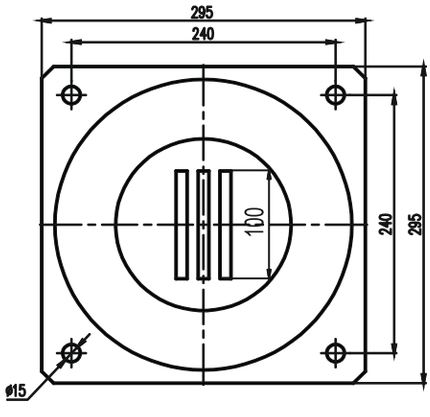
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IP-10/2000 -12,5 UHL2 (discontinued)



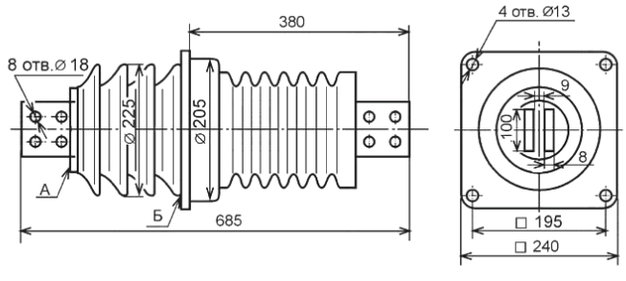
IPPU-10/3150-12,5-01 UHL1





High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes. As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/1600-12,5 UHL1 (discontinued)



CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 3150 – nominal current, A 12,5 – minimal bending strength, kN 01 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	12
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	3150
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	80
Fitting dimensions, mm	100x10 3 busbars 60x8 hol. Ø18
Flange fitting	240x240 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/3150-12,5-01 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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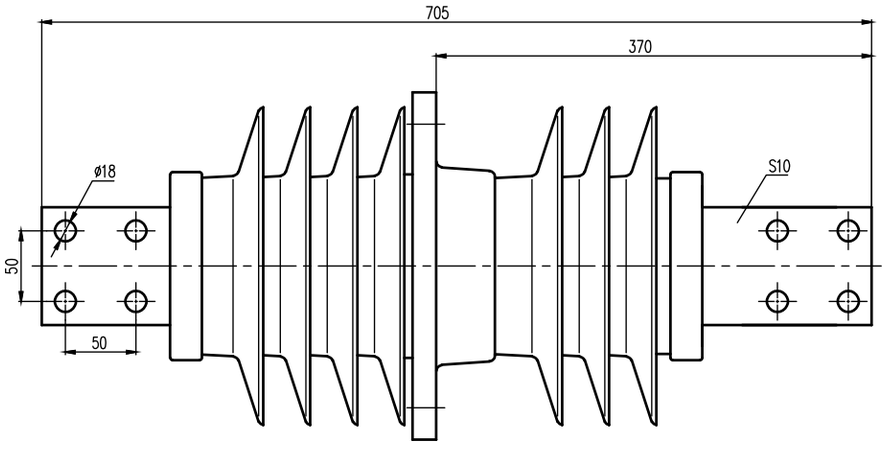
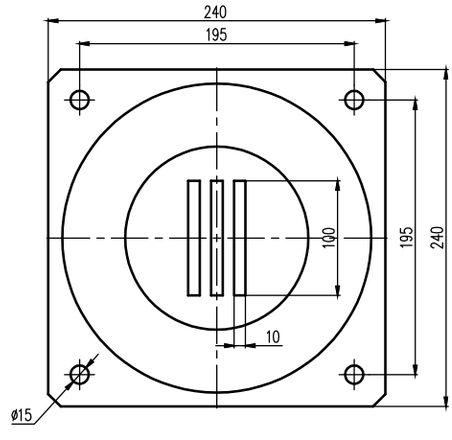
IPPU-10/3150-12,5 UHL1-02

CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 3150 – nominal current, A 12,5 – minimal bending strength, kN 02 – insulators modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	3150
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current, kA	80
Fitting dimensions, mm	3 busbars 50x50 8 hol. Ø18
Flange fitting dimmensions, mm	195x195 4 hol. Ø15
Weight, not more than, kg	19





APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/3150-12,5 UHL1-02

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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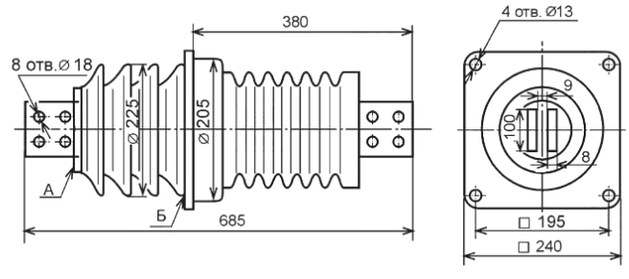
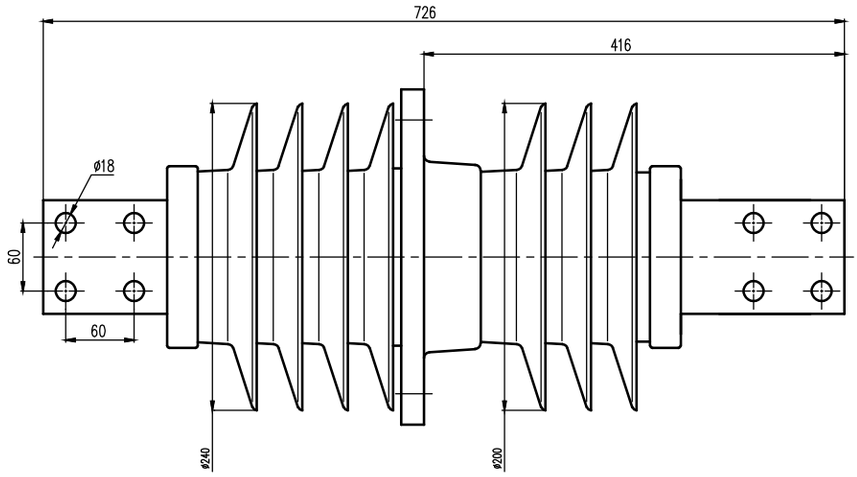
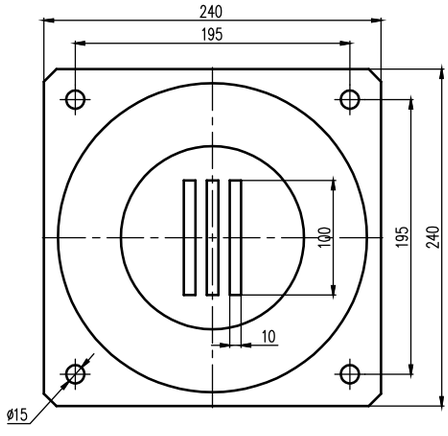
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IP-10/3150 -12,5 UHL2 (discontinued)



IPPU-10/3150-12,5-02 UHL1





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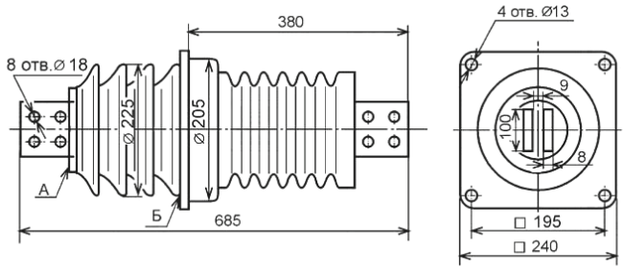
Porcelain insulator IP-10/3150-12,5 UHL2 (discontinued)



CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 10 – nominal voltage, Kv 3150 – nominal current, A 12,5 – minimal bending strength, kN 02 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	30
Nominal current, A	3150
Minimal creepage distance, cm	50
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	80
Fitting dimensions, mm	60x60 8 hol. Ø18
Flange fitting dimmensions, mm	195x195 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/3150-12,5-02 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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IPPU-10/4000-30 UHL1

CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
10 – nominal voltage, Kv
4000 – nominal current, A
30 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	30
Nominal current, A	4000
Minimal creepage distance, cm	80
The highest peak of the nominal short-term withstand current, kA	80
Fitting dimensions, mm	60x60 8 hol. Ø18
Flange fitting dimmensions, mm	200x200 4 hol. Ø15
Weight, not more than, kg	54

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-10/4000-30 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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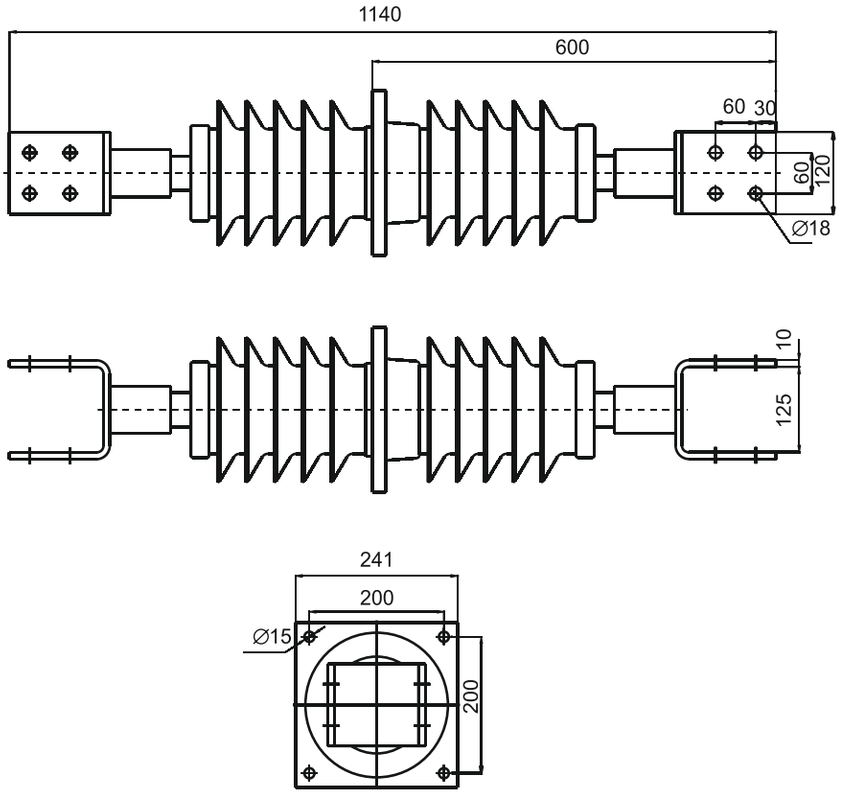
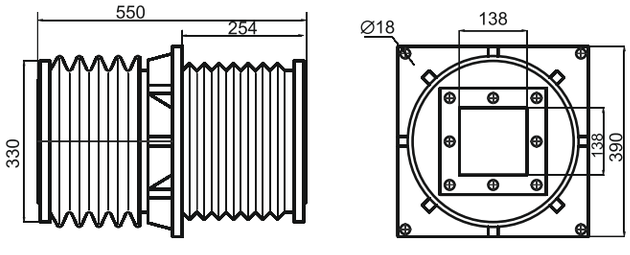
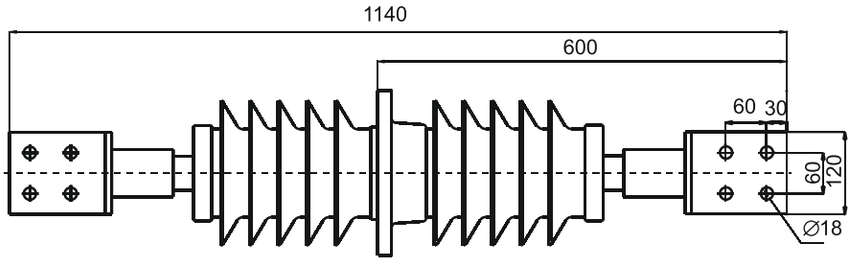


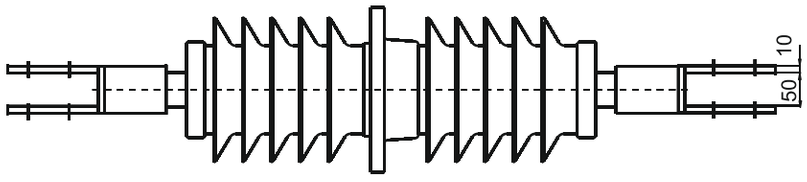
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes. As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

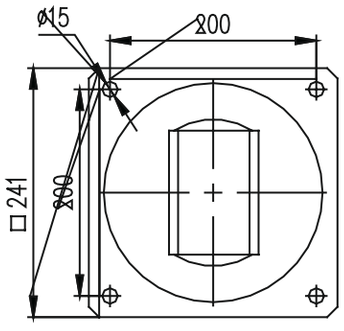
Porcelain insulator IP-10/4000 -30 UHL1 (discontinued)



IPPU-10/4000-30-01 UHL1







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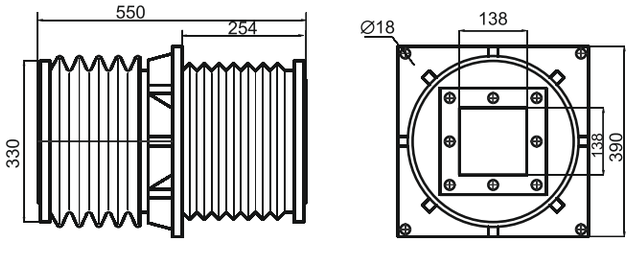
Porcelain insulator IP-10/4000-30 UHL1 (discontinued)



CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
10 – nominal voltage, Kv
4000 – nominal current, A
30 – minimal bending strength, kN
01 – insulator modification
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	10
Maximum working voltage, kV	12
Testing voltage of full lightning impulse withstand, kV	75
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	13
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	30
Nominal current, A	4000
Minimal creepage distance, cm	80
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	80
Fitting dimensions, mm	60x60 8 hol. Ø18
Flange fitting dimmensions, mm	200x200 4 hol. Ø15
Weight, not more than, kg	54

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-10/4000-30-01 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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IPPU-20/2000-12,5 UHL1

CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
10 – nominal voltage, Kv
2000 – nominal current, A
12,5 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	20
Maximum working voltage, kV	24
Testing voltage of full lightning impulse withstand, kV	125
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	26
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	2000
Minimal creepage distance, cm	75
The highest peak of the nominal short-term withstand current, kA	50
Fitting dimensions, mm	60x60 4 hol. Ø18
Flange fitting dimmensions, mm	220x220 4 hol. Ø15
Weight, not more than, kg	25

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-20/2000-12,5 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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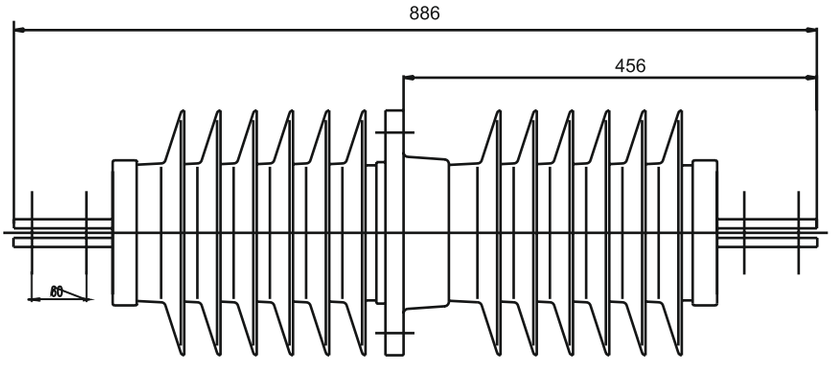
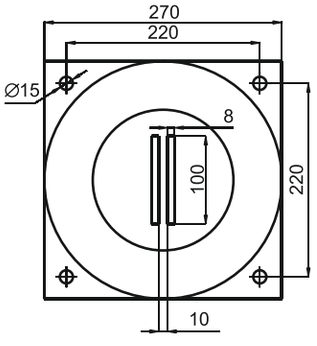
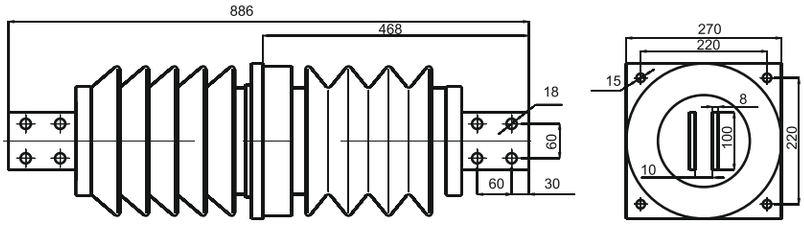


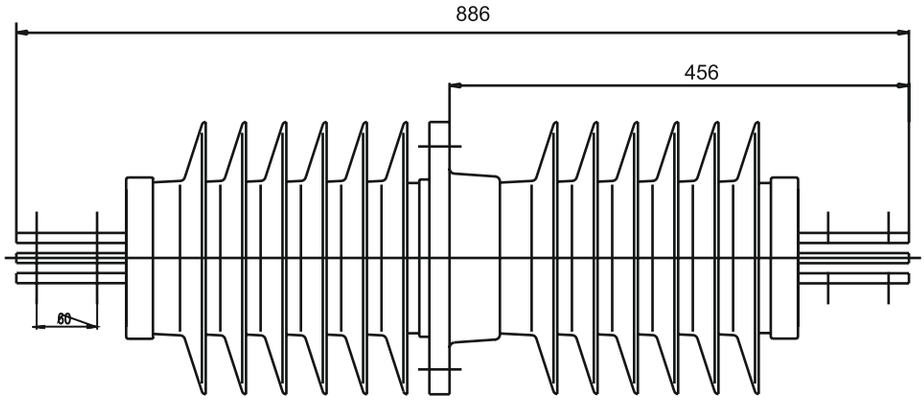


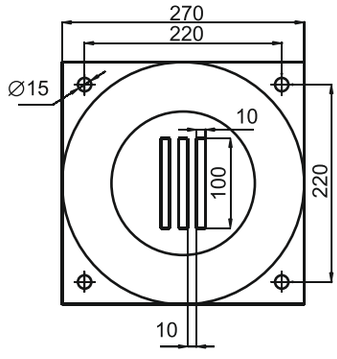
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes. As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IP-20/2000 -12,5 UHL1 (discontinued)



IPPU-20/3150-12,5 UHL1





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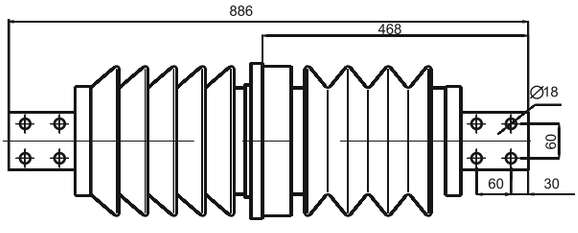
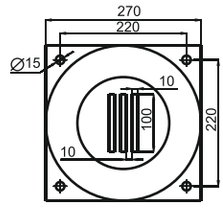
Porcelain insulator IPU-20/3150-12,5 UHL1 (discontinued)





CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
20 – nominal voltage, Kv
3150 – nominal current, A
12,5 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	20
Maximum working voltage, kV	24
Testing voltage of full lightning impulse withstand, kV	125
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	26
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	12,5
Nominal current, A	3150
Minimal creepage distance, cm	96
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	80
Fitting dimensions, mm	3 busbars 60x60 4 hol. Ø18
Flange fitting dimmensions, mm	220x220 4 hol. Ø15
Weight, not more than, kg	25

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-20/3150-12,5 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

GOST 20454-85
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IPPU-35/400-8 UHL1

CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
35 – nominal voltage, Kv
400 – nominal current, A
8 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	35
Maximum working voltage, kV	40.5
Testing voltage of full lightning impulse withstand, kV	190
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	42
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	400
Minimal creepage distance, cm	130
The highest peak of the nominal short-term withstand current, kA	16
Fitting dimensions, mm	45x4 hol. Ø14
Flange fitting dimmensions, mm	200x200 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-35/400-8 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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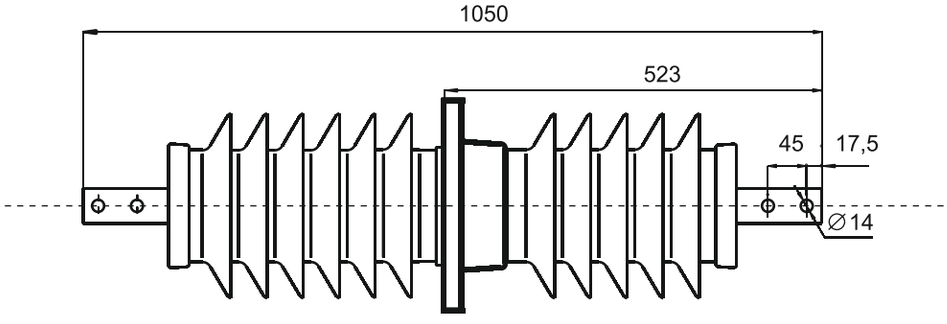
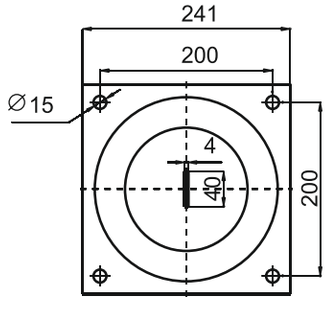
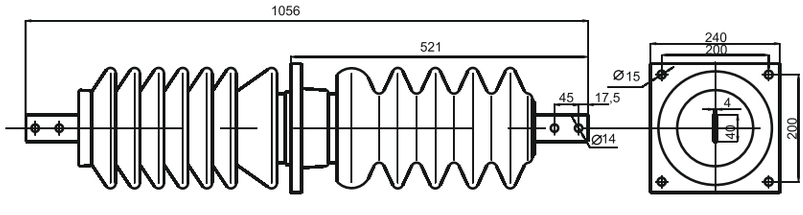


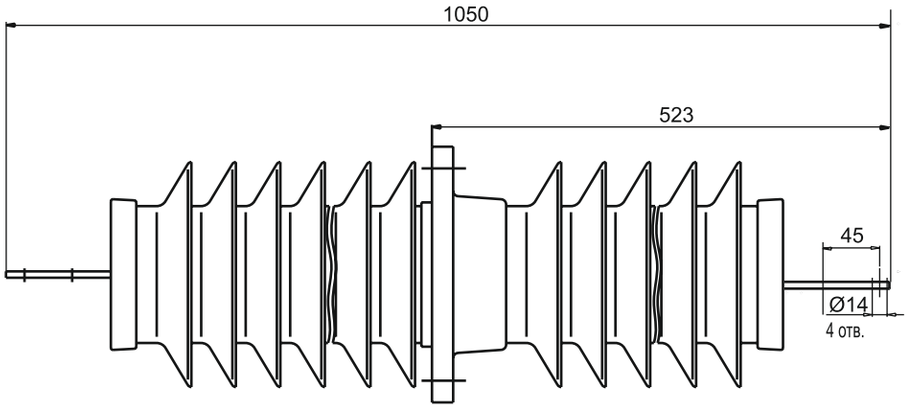


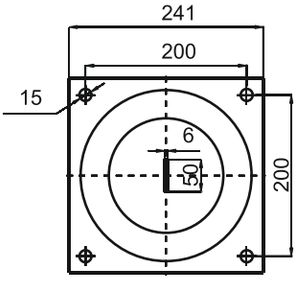
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-35/400 -7,5 UHL1 (discontinued)



IPPU-35/630-8 UHL1





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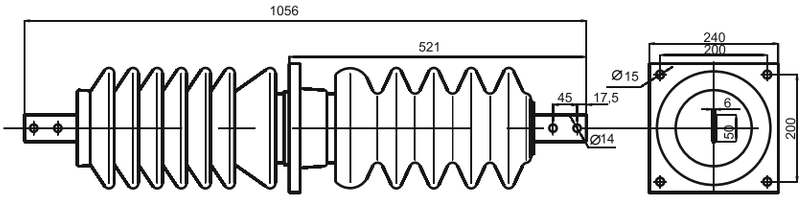
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-35/630-7,5 UHL1 (discontinued)



CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
35 – nominal voltage, Kv
630 – nominal current, A
8 — minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	35
Maximum working voltage, kV	40,5
Testing voltage of full lightning impulse withstand, kV	190
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	42
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	630
Minimal creepage distance, cm	130
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	16
Fitting dimensions, mm	45x2 hol. Ø14
Flange fitting dimmensions, mm	200x200 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-35/630-8 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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IPPU-35/630-8-01 UHL1

CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 35 – nominal voltage, Kv 630 – nominal current, A 8 – minimal bending strength, kN 01 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	35
Maximum working voltage, kV	40,5
Testing voltage of full lightning impulse withstand, kV	190
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	42
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	630
Minimal creepage distance, cm	130
The highest peak of the nominal short-term withstand current, kA	16
Fitting dimensions, mm	2xM22
Flange fitting dimmensions, mm	200x220 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-8/630-8-01 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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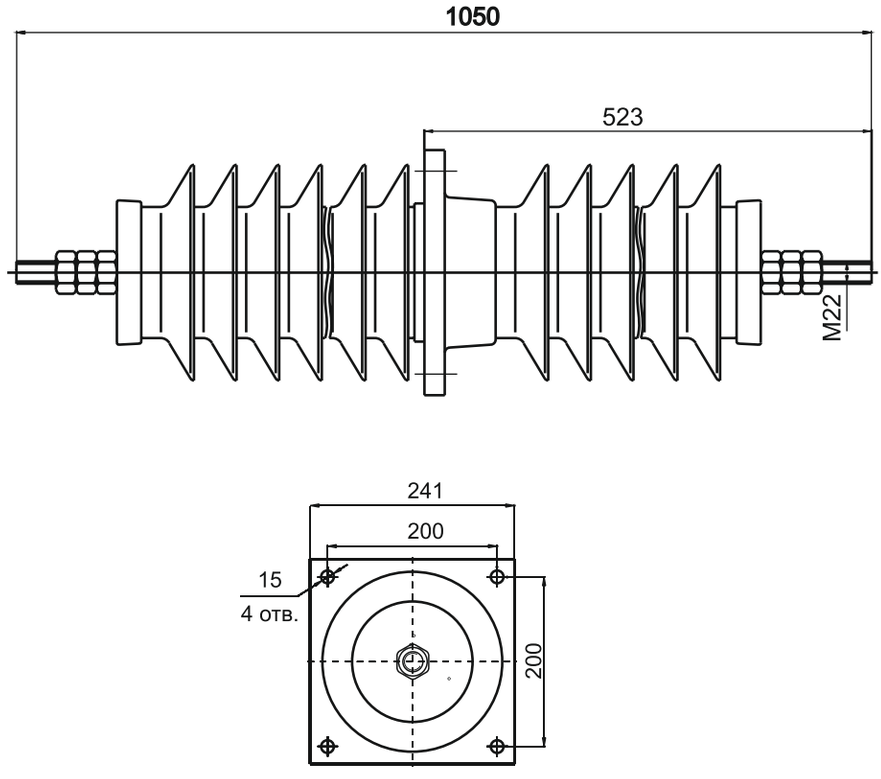
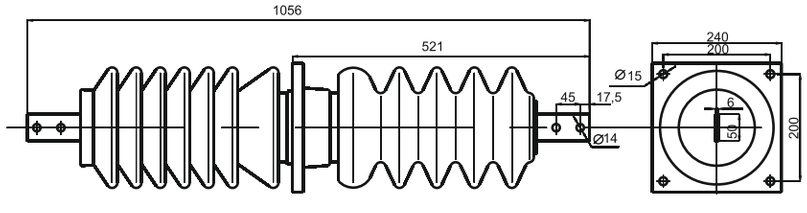
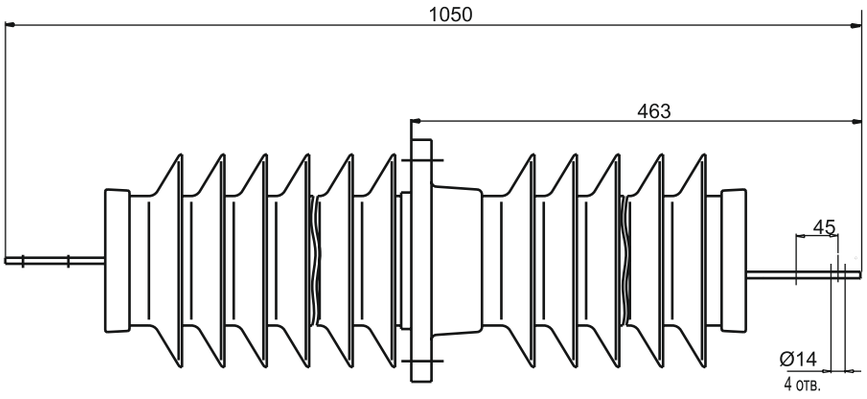


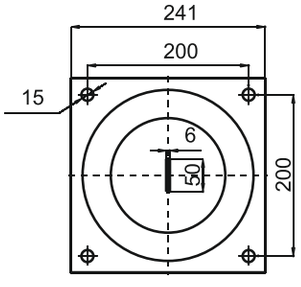
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes. As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-35/630 -7,5 UHL1 (discontinued)



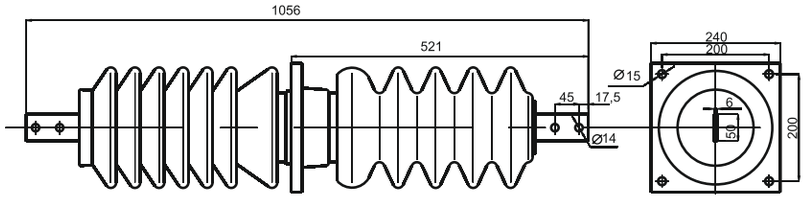
IPPU-35/630-8-02 UHL1





High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes. As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-35/630-7,5 UHL1 (discontinued)



CONDITIONAL DESIGNATION	
IPPU – brand of line polymer insulators 35 – nominal voltage, Kv 630 – nominal current, A 8 — minimal bending strength, kN 02 – insulator modification UHL1 – climate design and category of spacing according to GOST 15150	
TECHNICAL CHARACTERISTICS	
Nominal voltage, kV	35
Maximum working voltage, kV	40,5
Testing voltage of full lightning impulse withstand, kV	190
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	42
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	630
Minimal creepage distance, cm	130
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	16
Fitting dimensions, mm	45x2 hol. Ø14
Flange fitting dimmensions, mm	200x220 4 hol. Ø15
Weight, not more than, kg	19

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-35/630-8-02 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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IPPU-35/1000-8 UHL1

CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
35 – nominal voltage, Kv
1000 – nominal current, A
8 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	35
Maximum working voltage, kV	40,5
Testing voltage of full lightning impulse withstand, kV	190
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	42
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	1000
Minimal creepage distance, cm	130
The highest peak of the nominal short-term withstand current, kA	25
Fitting dimensions, mm	45x4 hol. Ø14
Flange fitting dimmensions, mm	200x200 4 hol. Ø15
Weight, not more than, kg	26,5

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-35/1000-8 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

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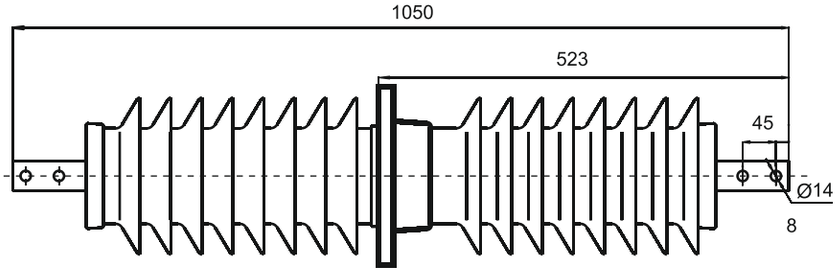
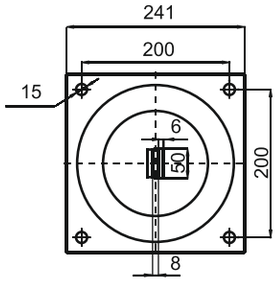
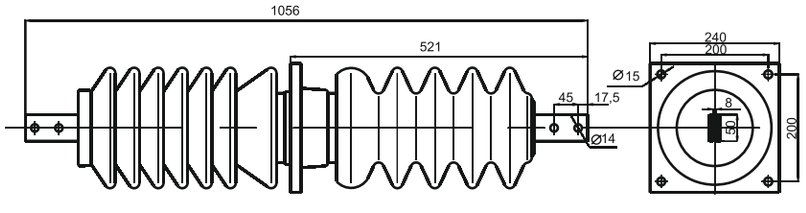


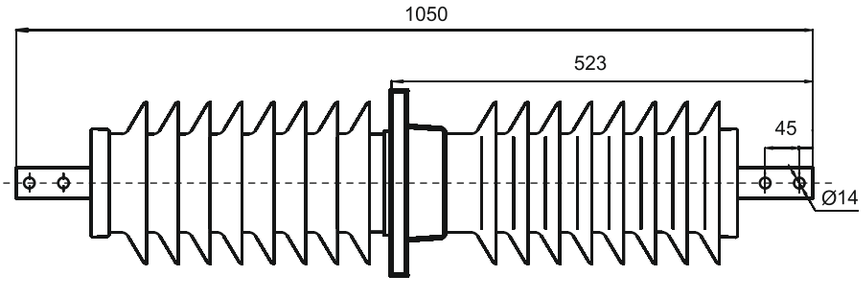


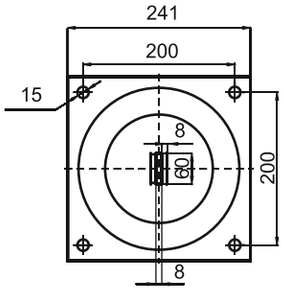
High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-35/1000 - 7,5 UHL1 (discontinued)



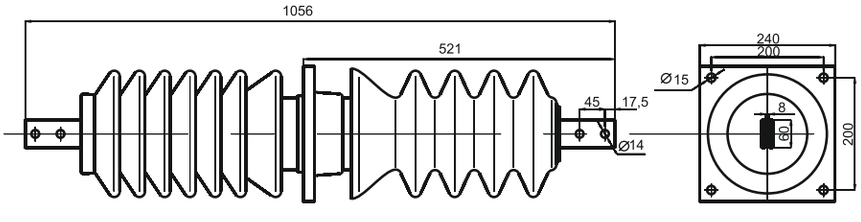
IPPU-35/1600-8 UHL1





High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.

Porcelain insulator IPU-10/1600-12,5 UHL1 (discontinued)



CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
35 – nominal voltage, Kv
1600 – nominal current, A
8 — minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	35
Maximum working voltage, kV	40,5
Testing voltage of full lightning impulse withstand, kV	190
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	42
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	1600
Minimal creepage distance, cm	130
The highest peak of the nominal short-term withstand current (current of the electrodynamic stability), kA	40
Fitting dimensions, mm	45x4 hol. Ø14
Flange fitting dimmensions, mm	200x200 4 hol. Ø15
Weight, not more than, kg	27,8

APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests
IPPU-35/1600-8 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

GOST 20454-85
TU3493-014-53937652-07

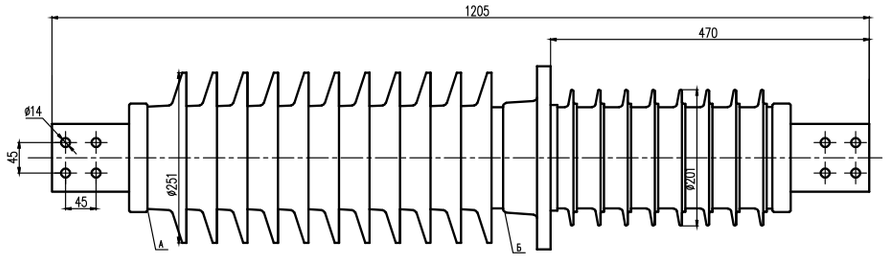
IPPU-35/2000-8 UHL1

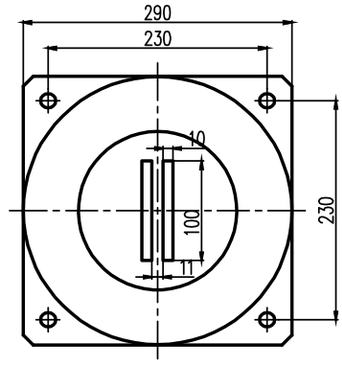
CONDITIONAL DESIGNATION

IPPU – brand of line polymer insulators
35 – nominal voltage, Kv
2000 – nominal current, A
8 – minimal bending strength, kN
UHL1 – climate design and category of spacing according to GOST 15150

TECHNICAL CHARACTERISTICS

Nominal voltage, kV	35
Maximum working voltage, kV	40,5
Testing voltage of full lightning impulse withstand, kV	190
50%- discharge voltage of industrial frequency at polluted and humid conditions, kV	42
For specified surface conductivity of polluted layer, mkCm	30
Minimal bending strength, kN	8
Nominal current, A	2000
Minimal creepage distance, cm	160
The highest peak of the nominal short-term withstand current, kA	50
Fitting dimensions, mm	45x45 8 hol. Ø14
Flange fitting dimmensions, mm	230x230 4 hol. Ø15
Weight, not more than, kg	19





APPLICATION AREA

Line insulators type IPPU are used for insulation and connection of current carrying parts in closed distribution devices with open distribution devices or lines. Line insulators are suitable in temperatures from -45° up to +40°C when the altitude is not more than 1000m above sea level.

Operation term – 25 years. Warranty period – 5 years.

Type tests IPPU-5/2000-8 UHL1

- Completenes
- Visual inspection (outer view and marking)
- Weight, length of insulating part, fitting dimensions, armature spacing
- Quality and thickness of armatures anticorosional coating
- Testing load and bending (torsion) 1min. withstand
- Devation angle control at bending (torsion) and absence of plastic deformation at bending (torsion)
- Alternating short term voltage test in dry conditions
- Failing load at bending (torsion)
- Evaluation of partial discharge level
- Hydrophobic resistance to water
- Hydrophobic resistance to coloring liquid
- Adhesion of coating layer to insulating body

GOST 20454-85
TU3493-014-53937652-07

High resistance to atmospheric and industrial pollution, acids and alkalis, ultra-violet irradiation, trekking, electrical erosion, vandalism activity, staff mistakes.
As an advantage of line polymer insulators is lack of fragility and resistance to dynamic impact influences, for example under K3 voltages, stable function under heavy pollution conditions. “AIZ” factory is able to supply line polymer insulators manufactured with customers given flange dimensions.
Line insulators are manufactured in accordance to GOST 20454-85 “Line insulators over 1000V voltage. Types, main parameters and dimensions”, TU3493-014-53937652 “Line polymer insulators with strengthened insulation of IPPU type for 10-35 kV voltage”.