



Supporting insulators KWIS-4-280 and KWIS-4-305 meet the requirements of PN-EN 62231

KWIS apparatus support insulator

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KWIS composite support silicone insulators are designed to work with a rated voltage of 20 kV in overhead MV network devices.

Advantages of KWIS post insulators:

- very good mechanical and electrical properties,
- hydrophobic properties of the silicone rubber insulation cover ensure high resistance to dirt and the ability to self-clean,
- lower risk of mechanical damage during transport, assembly and during operation,

- resistance to UV radiation, ozone and moisture,
- insensitivity to shocks and impacts - can be used in seismic zones,
- capable of bearing certain torsional loads.

The KWIS post insulator consists of a load-bearing core, metal fittings and an insulating cover. The load-bearing core is a glass-epoxy rod made of ECR glass fiber resistant to stress corrosion cracking, saturated with an epoxy composition. The bar is characterized by a very high mechanical tensile and bending strength and is capable of carrying certain torsional loads. Metal fittings are attached to the core by clamping. The gray LSR silicone rubber insulation cover is molded on the forged core by injection. The cover tightly covers the glass-epoxy rod between the fittings and effectively protects against aggressive environmental factors.

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Supporting insulators KWIS-4-280 and KWIS-4-305 have Certificates confirming the fulfillment of the requirements by the above-mentioned products.



Technical parameters					
		KWIS-4-280	KWIS-4-305	Unit	
General properties					
Length		280	305	mm	
Number of lampshades	big	4	4	szt.	
	small	3	3	szt.	
Mass		1,8	1,9	kg	
Fittings		galvanized steel forging			
Electrical properties					
Creep path		630	655	mm	
Jump way		250	270	mm	
Rated operating voltage		20	20	kV	
Withstand voltage AC 50 Hz in rain		70	70	kV	
Lightning impulse withstand voltage		145	145	kV	
Mechanical properties					
Rated tensile load STL		30	30	kN	
Tensile load in RTL product testing		15	15	kN	
Rated bending load SCL		8	8	kN	
Maximum Design MDCL bending load		4	4	kN	