



Highest voltage for equipment	[kV]	24, 36
Power frequency test voltage, 1 min.	[kV]	50, 70
Lightning impulse test voltage	[kV]	125, 170
Rated burden, classes	[VA/cl]	80/0.2 - 300/0.5 - 600/1
Max. thermal output	[VA]	2000

### Description

The KGUG voltage, double-pole insulated transformers are casted in epoxy resin and designed mostly for insulation voltages of 24 kV to 36 kV.

Other insulation values are to be the subject of an agreement between the manufacturer and the customer. If no other value is required the transformers are manufactured with a voltage factor of  $1.2 \times U_n$ . All the parts of the primary winding of the transformer are insulated from the earth, including the terminals, to an insulation level identical with the rated insulation level. When operating in a three-phase system the primary inlets of the transformer are connected across the respective lines, to the phase-to-phase voltage, mostly in the „V“ type of connections. The majority of transformers is equipped with one secondary winding, intended to be used for either the measurement or protection purposes. One of the terminals of each secondary winding has to be earthed during the transformer operation.

If not required otherwise, the secondary winding is lead out into a casted secondary terminal board.

The transformer may be mounted in any position. The transformers are fixed by four screws, The M8 bolted earthing clamp is located on the transformer base plate. The secondary, sealable terminal board is covered with a transparent cover.

Rated primary voltages ... 15 kV; 20 kV; 22 kV; 30 kV; 33 kV; 35 kV

Other primary voltages based on customer's request may be delivered, too.

Rated secondary voltages... 100 V; 110 V – 0.2; 0.5 and 1 accuracy classes (measuring winding), or 3P; 6P (protection winding)

Other secondary voltages based on customer's request may be delivered, too.

Rated frequency ... 50 Hz; 60 Hz

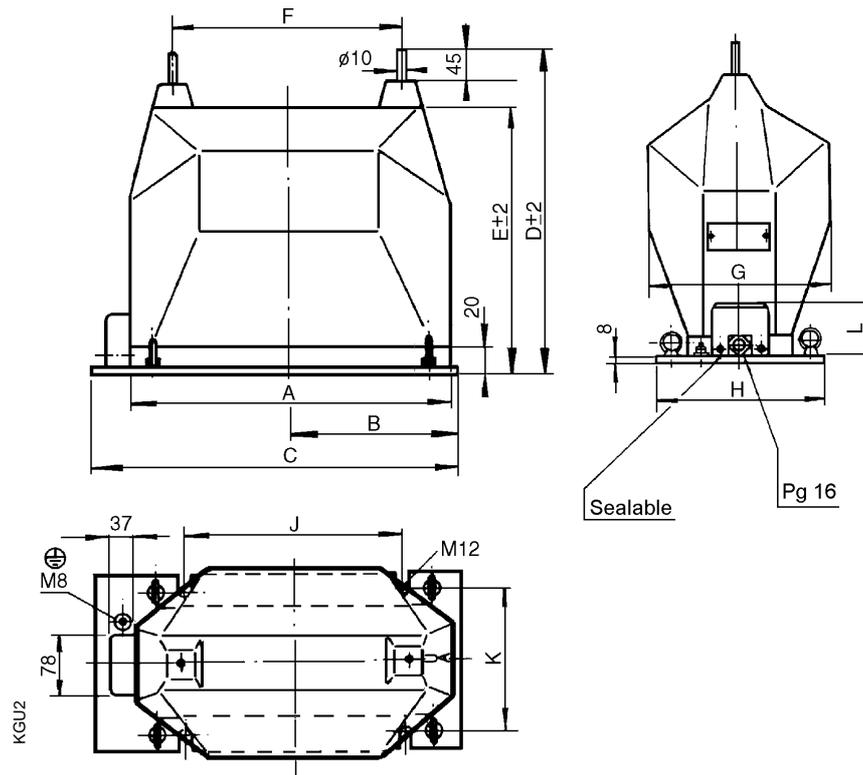
The transformers are manufactured and delivered conformably to the requirements and recommendations of the following standards and regulations: IEC, SEV, VDE, ANSI, BS, GOST and ČSN.

## Double pole voltage transformers

Type	Rated output in accordance with IEC, SEV, BS and VDE, 50 and 60 Hz, in classes VA				Rated burden in accordance with ANSI, 60 Hz, in classes VA			Maximum thermal output in VA per v.t. 50 and 60 Hz VA
	0.2	0.5	1	3	0.3	0.6	1.2	
KGUG 24	80	300	600	1800	WXYZ	WXYZ, ZZ	WXYZ, ZZ	2000
KGUG 36	80	300	600	1800	WXYZ	WXYZ, ZZ	WXYZ, ZZ	2000

## Dimensions

**KGUG 24**  
**KGUG 36**



Type	A	B	C	D	E	F	D	H	J	K	L	m/kg
<b>KGUG 24</b>	391	202	455	376	320	200	222	215	260	179	72	approx. 60
<b>KGUG 36</b>	443	227	505	427	348	310	248	230	300	186	72	approx. 80



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