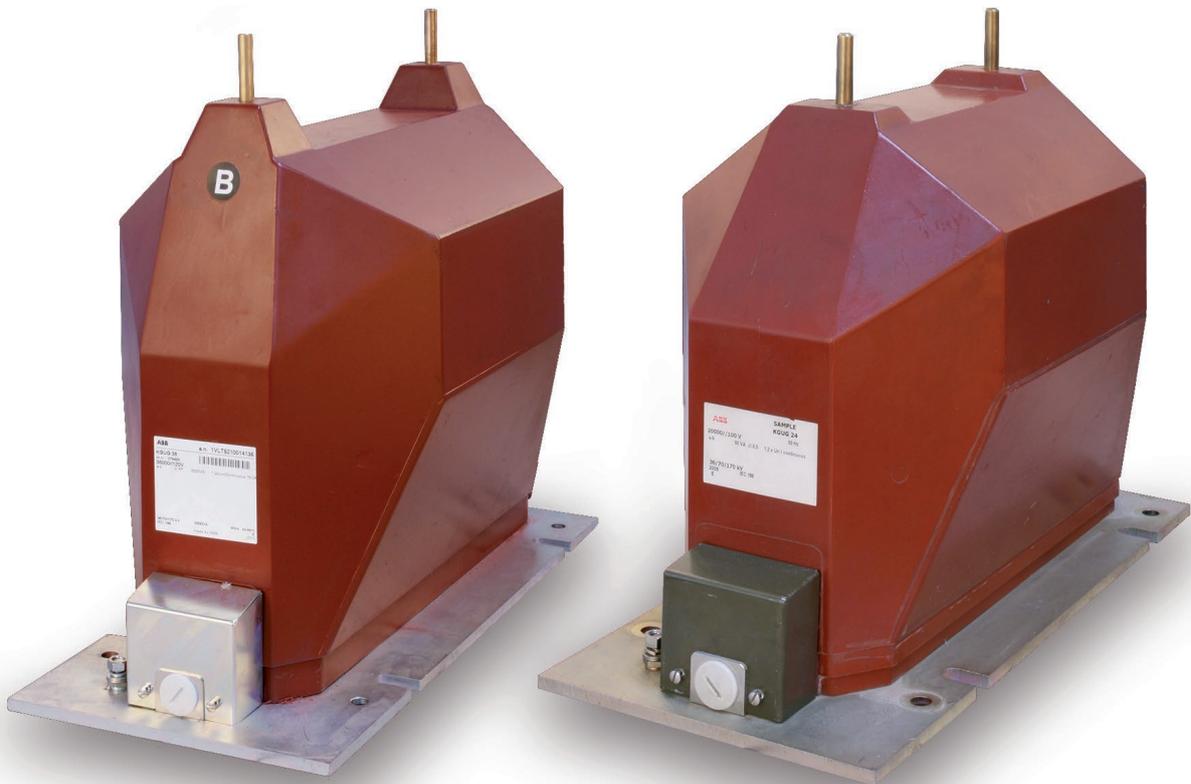


MEDIUM VOLTAGE PRODUCT

KGUG

Indoor voltage transformers



Parameters	Units
Highest voltage for equipment	24; 36 kV
Power frequency test voltage, 1 min.	50; 70 kV
Lightning impulse test voltage	125; 170 kV
Rated burden, classes	80/0.2 - 300/0.5 - 600/1 VA/cl
Max. thermal output	2 000 VA

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 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 transformers 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.

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	1 800	WXYZ	WXYZ, ZZ	WXYZ, ZZ	2 000
KGUG 36	80	300	600	1 800	WXYZ	WXYZ, ZZ	WXYZ, ZZ	2 000

Rated primary voltages

15 kV; 20 kV; 22 kV; 30 kV; 33 kV; 35 kV

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

Rated frequency

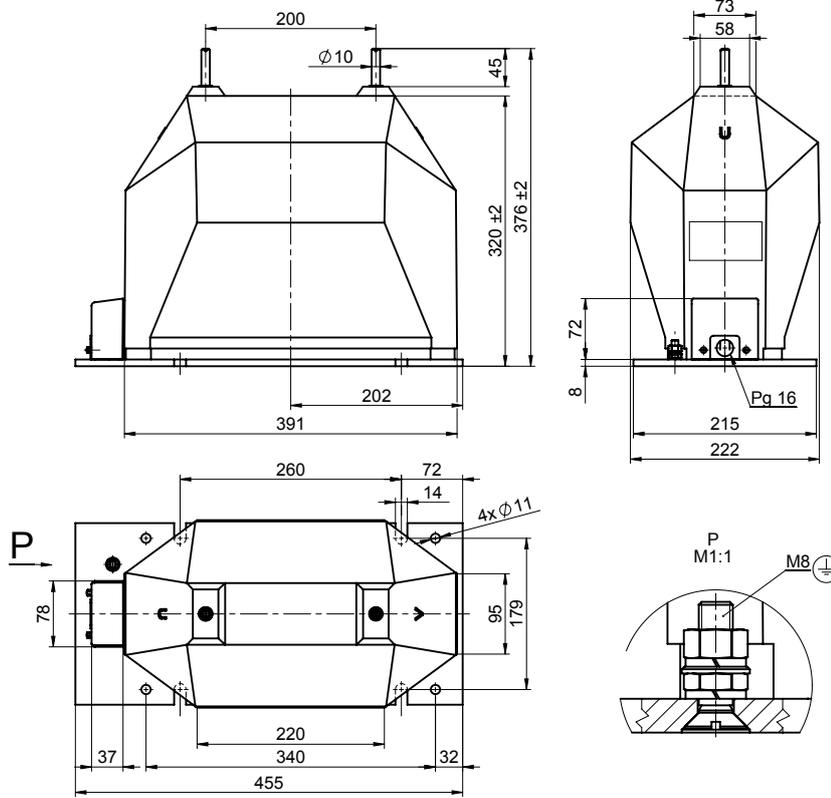
50 Hz; 60 Hz.

Design for two primary voltages is also possible, based on a consultancy to be conducted with the manufacturer (change over secondary side).

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

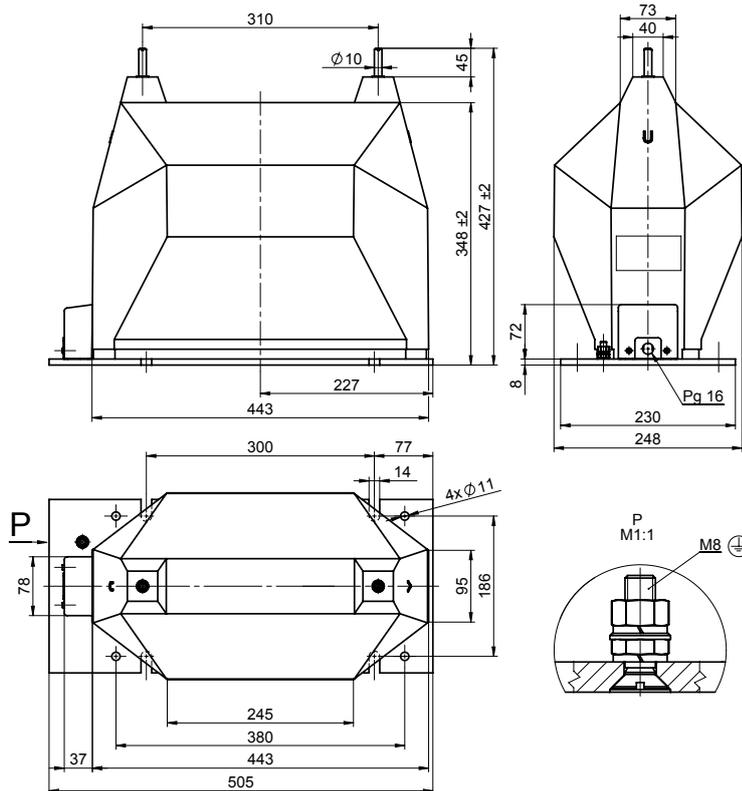
Dimensional Drawing

KGUG 24



Weight: 60 kg

KGUG 36



Weight: 80 kg

CONTACT US

ABB s.r.o.
EPMV Brno
Videnska 117, 619 00 Brno,
Czech Republic
Tel.: +420 547 152 021
+420 547 152 614
Fax: +420 547 152 626
E-mail: info.ejf@cz.abb.com

www.abb.com

NOTE

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents - in whole or in parts - is forbidden without prior written consent of ABB.

Copyright© 2017 ABB
All rights reserved