

APPLICATION

These transformers are used to separate measuring and protection equipment from high voltages and to transform the currents measured to the values required by the measuring and protection equipment.

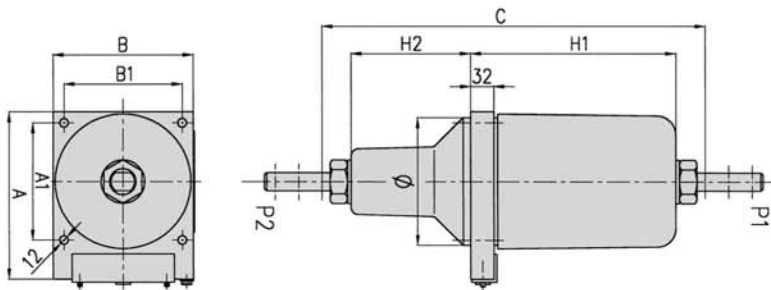
STANDARDS

These transformers are produced in compliance with IEC, VDE, ANSI, BS and other standards.

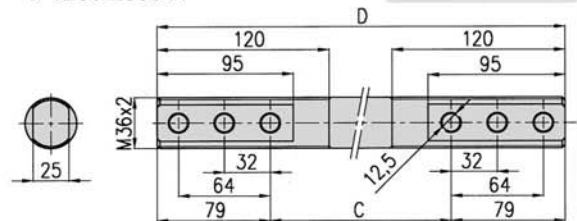
DESCRIPTION OF MAIN PARTS

- Because of bar-type high-voltage winding, ASA transformers are intended for use in cases where rated primary currents exceed 600 A.
- Cores used in current transformers are made either of quality cold-rolled grain-oriented magnetic steel sheets or a high-quality soft magnetic material (Mumetal) depending on the required accuracy class and the primary current.

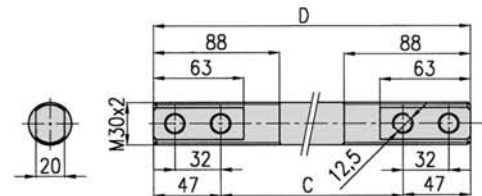
- Low voltage winding is uniformly distributed around the circular core.
- The conductors used for windings are made of electrolytic copper.
- Main insulation of these instrument transformers is epoxy-resin compound cast in high vacuum, with superior dielectric and mechanical properties.
- High-voltage terminals for rated currents 600 to 2000 A are shown in drawings I, II and III.
- Secondary terminals are closed with an appropriate cover with rubber glands for connection cable of 16 mm diameter by means of special "sealing" screws. The terminal situated beside the secondary terminals and marked with symbol \perp must be properly earthed. Secondary connections are connected by M5 screws.
- The earthing screw (red marked) on the base plate has to be earthed.



I. 1200-2000 A



II. 800-1000 A



III. 600 A

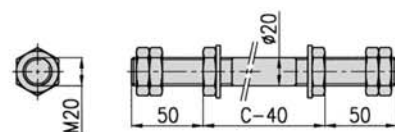


TABLE I

Size	A1-B1	A	B	C	H1	H2	Ø	Weight	Um
	mm	mm	mm	mm	mm	mm	mm	(kg)	(kV)
1	140	207	170	440	196	165	154	20	12
2	162	231	192	460	216	165	176	23	
3	162	231	292	485	240	165	176	24	
4	162	231	192	525	281	165	176	27	24
5	162	231	192	570	281	210	176	29	
6	182	252	212	570	281	210	192	31	
7	182	252	212	630	342	210	192	35	36
8	182	252	212	730	342	310	192	38	
9	202	273	232	730	342	310	212	42	

MAIN CHARACTERISTICS
TABLE II

RATED PRIMARY CURRENT (A)	Um 12 kV	Um 24 kV	Um 36 kV
600	1 or 2 cores core for measuring: output 15 or 30 VA class 0.5 FS10	1 or 2 cores core for measuring: output 15 or 30 VA class 0.5 FS10	1 or 2 cores core for measuring: output 15 or 30 VA class 0.5 FS10
800			
1000			
1500	core for protection: output 15 or 30 VA class 10P10	core for protection: output 15 or 30 VA class 10P10	core for protection: output 15 or 30 VA class 10P10
2000			
Size	1	5	8 8

TABLE III

RATED PRIMARY CURRENT (A)	Um 12 kV	Um 24 kV	Um 36 kV
600	3 cores core for measuring: output 15 or 30 VA class 0.5 FS10	3 cores core for measuring: output 15 or 30 VA class 0.5 FS10	3 cores core for measuring: output 15 or 30 VA class 0.5 FS10
800			
1000			
1500	core for protection: 2 and 3 output 15 or 30 VA class 10P10	core for protection: 2 and 3 output 15 or 30 VA class 10P10	core for protection: 2 and 3 output 15 or 30 VA class 10P10
2000			
Size	4	7	9

INSTRUCTIONS FOR CHOICE OF CURRENT TRANSFORMER

The given table is guide for choice of current transformer size. For correct choice it is necessary to know the voltage level, primary current, short-circuit current and core number and their characteristics, e.g.

- Maximum voltage $U_m = 24 \text{ kV}$
- Rated primary current $I_n = 1000 \text{ A}$
- Number of cores 2

From Table II, columns for the rated primary current 1000 A, with 2 cores and $U_m = 24 \text{ kV}$ it follows that the right size is 5. In Table I, under size 5, please find the CT dimensions according to the above data.

NOTE: In the cases when the data are out of those given in the Table it is necessary to consult the manufacturer about the size of current transformer. Sizes 2, 3 and 6 from Table I which are manufactured according to special requirements, are not given in Tables II and III.

Data given in this prospect are for informative purposes only. With the view of constant improvement of quality of our product we reserve the right to change.