

AKWF-24/36

CURRENT TRANSFORMER



DESCRIPTION

High voltage metering/protection transformers for measuring instruments, meters, relays, and similar devices up to 24/36 kV. For outdoor purpose.

The live part is casted in E Class epoxy resin (according to regulation IEC 60085), brown color.

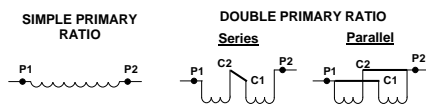
Excellent resin resistance to atmospheric agents, as wet, rain, UV light. and dust and most of chemical products.

Other standards or special technical specification on request.

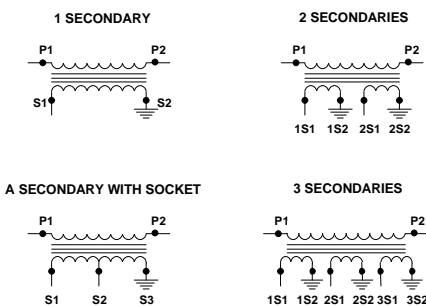
SERVICES

CONNECTIONS

PRIMARY CONNECTIONS



SECONDARY CONNECTIONS



MECHANICAL CHARACTERISTICS

- Tightening torque
 - M6 Terminals: 2,5 N.m
 - M16 Terminals: 45 N.m
 - Earth terminal M12: 20 N.m
 - Base fixings M16: 164 N.m
- Brass primary terminal and steel grounding terminal.
- Metallic secondary terminals box with PG cable glands.
- Aluminium transformer base.
- Approximate weight: 58 kg.
- Standard creepage distance: 908 mm
- Arc distance: 459 mm

		BURDEN (VA) (MAX.) (*)				
		Class	80 In	100 In	150 In	200 In
1 secondary winding	Measurement	0.2	50	30	25	15
		0.2S	50	30	25	15
		0.5	100	60	50	30
		0.5S	100	60	50	30
		5P10	100	50	30	20
2 secondary windings	Measurement and Protection	0.2	50	30	-	-
		5P10	50	30	-	-
		0.2	50	30	-	-
		5P20	50	30	-	-
		0.2S	50	30	-	-
		5P10	50	30	-	-
		0.2S	50	30	-	-
		5P20	50	30	-	-
		0.5	30	30	-	-
		5P10	15	10	-	-
		0.5	30	30	-	-
		5P20	15	10	-	-
		0.5S	30	30	-	-
		5P10	15	10	-	-
		0.5S	30	30	-	-
5P20	15	10	-	-		
3 secondary windings	Measurement and Protection	0.2	5	-	-	-
		5P10	15	-	-	-
		5P10	15	-	-	-
		0.2	25	15	-	-
		5P20	25	15	-	-
		5P20	25	15	-	-
		0.5	25	20	15	-
		5P20	25	20	15	-
		5P10	25	20	15	-
1 primary winding		In < 1200 A	In < 600 A	In < 300 A		
2 primary winding		In < 2x600 A	In < 2x300 A	In < 2x150 A		

(*) These rated outputs are orientative values

Upon request, other classes and ratios than those in the table can be budgeted.

ELECTRICAL CHARACTERISTICS

		IEC 61869-1 and -2	
		AKWF-24	AKWF-36
Highest voltage for equipment (U_m) (kV)		24	36
Highest system voltage (kV)		24	36
Test voltage at industrial frequency (kV)	Primary	50	70
	Secondary	3	3
Rated lightning impulse withstand voltage (peak) (kV)		125	170
Rated primary intensity (A)	Simple relation (I_{pn})	≤ 1200	
	Double relation (I_{pn})	≤ 600-1200	
Rated secondary intensity (I_{sn}) (A)		1 ó 5	
Rated frequency (f) (Hz)		50/60	
Number of secondary windings		1, 2 ó 3	
Short-time thermal current (I_{th}) (kA)		≤ 40	
Dynamic current (I_{dyn})		2.5 I_{th}	

DIMENSIONS (mm)

