



DESCRIPTION

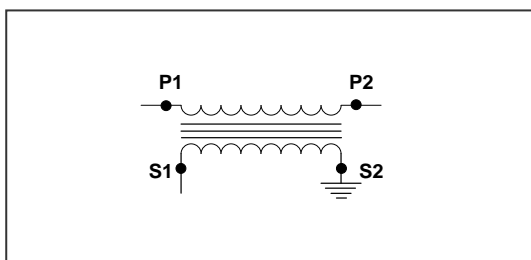
Low Voltage current transformer without primary winding used for measurement instruments, meters, relays and other similar devices. For indoor use.

The AKH-01/02 transformer is designed for the detection of homopolar currents. This transformer realizes the sum of the three currents within a single magnetic core, which results in a current in the secondary of the transformer as long as there is homopolar current in the primary system.

The active part is occluded in polyurethane resin of insulation class B (s / norm IEC 60085), black colour. It has great chemical resistance.

It is toroidal type.

CONNECTIONS



MECHANICAL CHARACTERISTICS

- Tightening torque:
 - M5 Terminals: 1.5 N.m
 - Base fixings M10: 38 N.m
- Transparent methacrylate secondary terminal cover.
- Zinc-plated iron anchor supports to prevent corrosion.
- Approximate weight: 5 kg.

CLASS AND BURDEN TABLE (*)

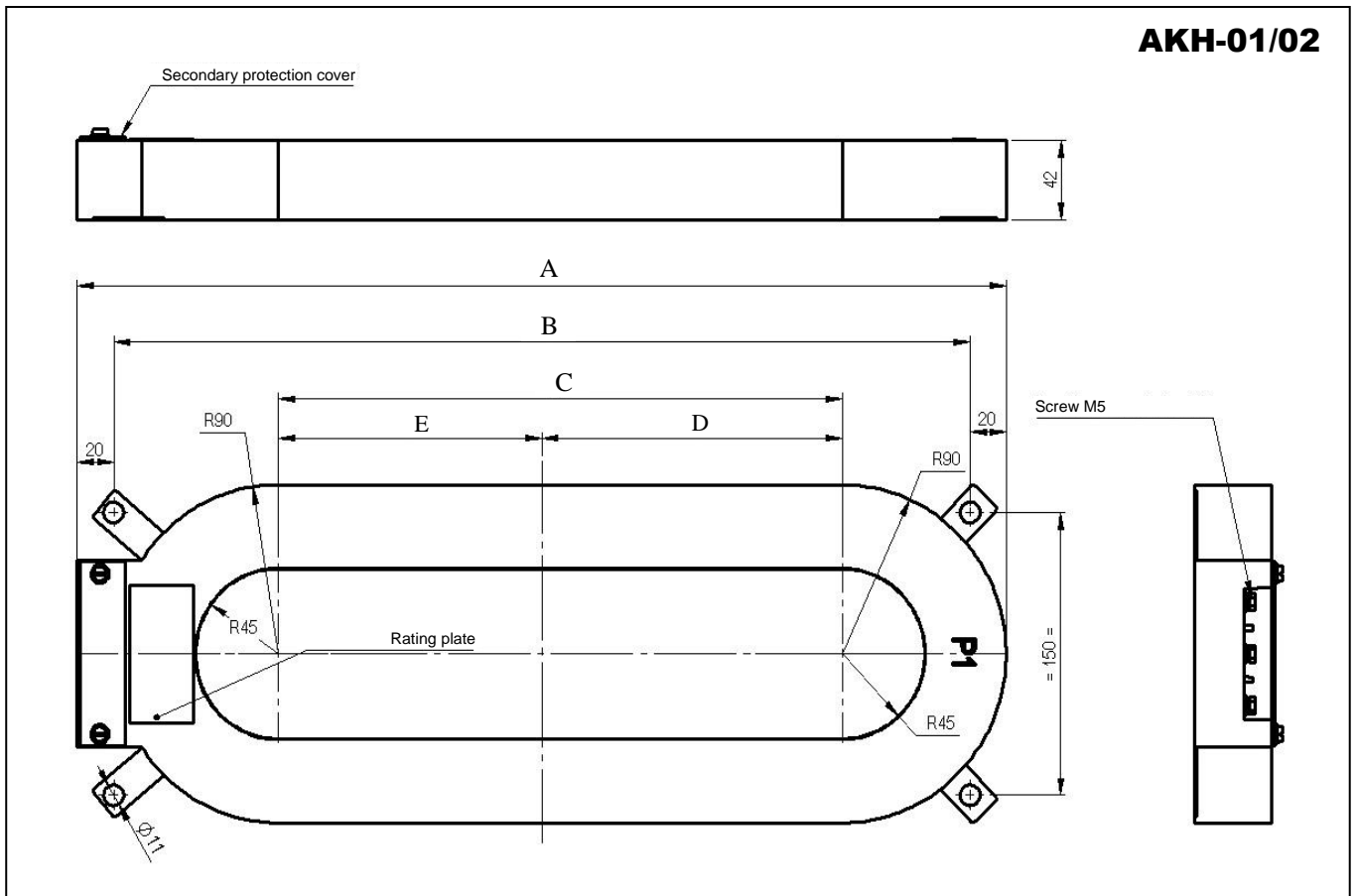
Ratio (A)	Burden precision	Class or Limit error	
		Type 1	Type 2
20/1	0.10 VA	10P10	a 0.05In ±15% a In ±10% a 10In ±15%
30/1	0.10 VA	5P10	
50/1	0.10 ... 0.25 VA	5P10	
60/1	0.10 ... 0.25 VA	5P10	
100/1	0.10 ... 0.25 VA	5P10	

(*) Upon request, other classes and ratios different from those in the table can be budgeted.

ELECTRICAL CHARACTERISTICS

		IEC 61869-1 and -2
Highest voltage for the material (U_m) (kV)		0.72
Maximum service voltage (kV)		0.72
Power frequency withstand voltage (kV)	Primary	--
	Secondary	3
Lightning impulse withstand voltage (peak value)		--
Primary assigned intensity (A)		>20
Extended intensity limit (%)		120
Secondary assigned intensity (I_{sn}) (A)		1
Assigned frequency (f) (Hz)		50/60
Number of secondary winding		1
Short-circuit thermal current (I_{th}) (kA)		16
Assigned dynamic current (I_{dyn})		$2.5 I_{th}$

DIMENSIONS (mm)



Model	A	B	C	D	E
AKH-01	510	470	310	165	145
AKH-02	470	430	270	145	125