

Current transformer 40.5 - 300 kV

Reliable and safe outdoor instrument transformer

Current transformer type LB is based on hairpin design with oil-paper insulation and metallic expansion bellow, mainly for outdoor installations. It is a reliable product for metering and protection in high-voltage networks.



Features

- Designed and tested in accordance with latest IEC specification
- Safe sealing slows the aging process and extends product life
- Corrosion resistance: stainless steel expansion bellows and oil tank coated with water-proof, mould-proof and salt-proof painting

Benefits

- Easy installation and commissioning
- Maximum reliability and minimal maintenance
- Suitable for wide range of environmental conditions
- Good seismic performance

Technical data

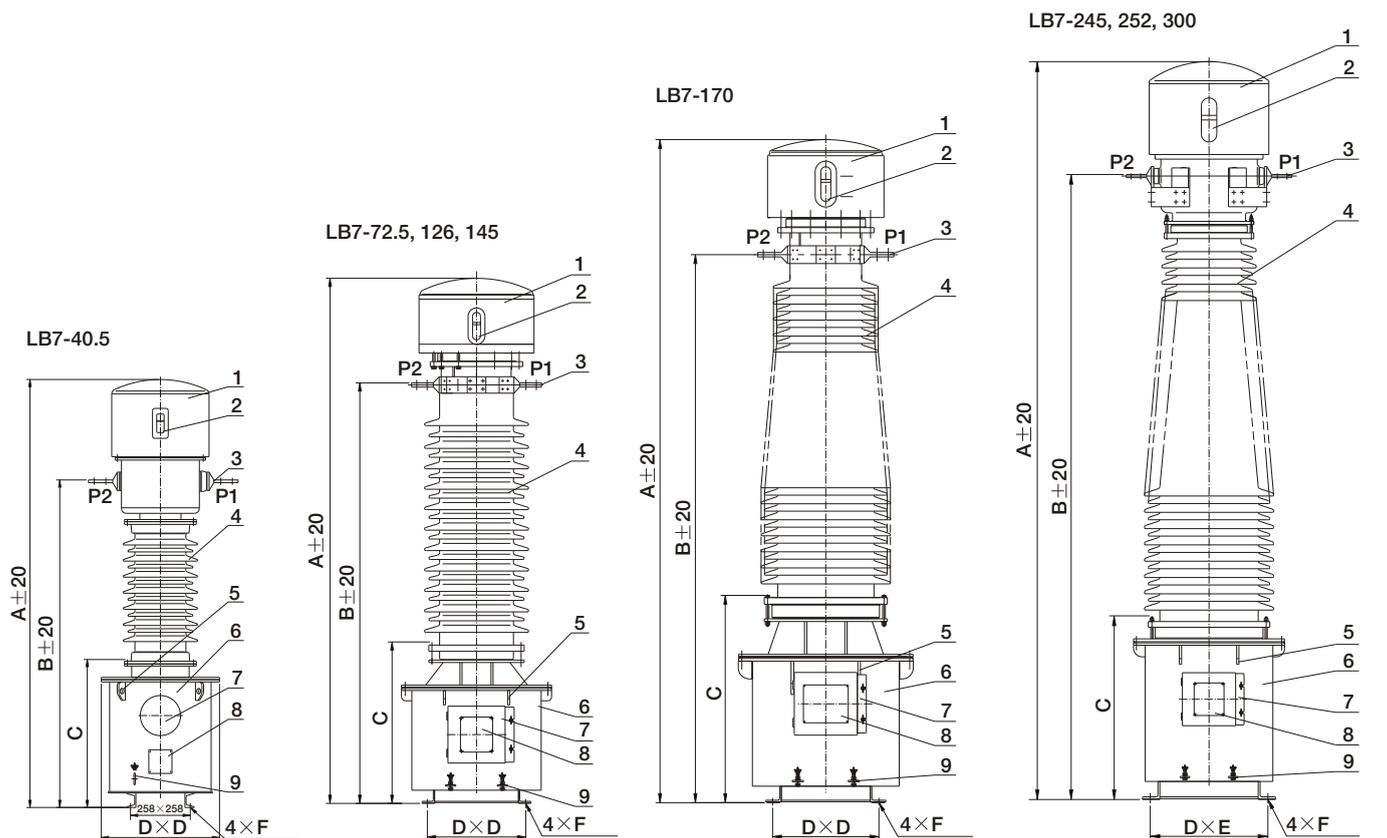
Type		LB7-40.5	LB7-72.5	LB7-126	LB7-145	LB7-170	LB7-245 LB7-252	LB7-300
Highest voltage	kV	40.5	72.5	126	145	170	245, 252	300
Rated current	A	2×50-2×1000, 100-2000	2×50-2×1500, 100-3150			2×50-2×2000, 100-4000	2×50-2×2000, 100-4000	
Short-time thermal current	kA/s	100 lpr/1- 50/3	45-50/3			45-50/3	50-63/3	
Rated dynamic current	kA	250 lpr-125	115-125			115-125	125-160	
Rated insulation level	kV	40.5/95/200	72.5/160/350	126/230/550	145/275/650	170/325/750	252/460/1050	300/460/1050/850
Dielectric dissipation factor	\	≤0.02	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005
Rated secondary current	A				1, 5			
Rated frequency	Hz				50/60			
Measurement and protection accuracy class	\	IEC 61869-2 IEEE C57.13	0.1, 0.2S, 0.5S, 0.2, 0.5/5P, 5PR, 10P, 10PR, PX, PXR, TPZ, TPX, TPY 0.15, 0.15S, 0.3, 0.6, 1.2/C100, C200, C400, C800, X					
Rated burden and instrument security factor of measuring class	\				1-200 VA, Fs≤5			
Rated burden and accuracy limit factor of protective class	\				1-200 VA, 5P10- 5P40/10P10- 10P40			
Insulator creepage distance	mm/kV				≥25, 31			

Other standard/regulation and values on request

Dimensions

	LB7-40.5	LB7-72.5	LB7-126	LB7-145	LB7-170	LB7-245 LB7-252	LB7-300
A	1875	1915	2390	2430	3060	3700	3950
	1805	--	2310	2660	2980	3620	3870
B	1430	1420	1905	1960	2545	3110	3340
	1420	--	1825	2205	2465	3030	3260
C	650	735	815	815	1020	1050	1050
	650	--	735	735	940	970	970
D	258	475	475	475	475	610	610
E	--	--	--	--	--	450	450
F	φ 18	φ 18	φ 18	φ 18	φ 18	φ 25	φ 25

Note: Above are typical dimensions, dimensions may adjust upon varies rating and configuration.
All dimensions are in mm.



1	2	3	4	5	6	7	8	9
Expander	Oil-level indicator	Primary terminal	Bushing	Lifting piece	Oil tank	Secondary terminal box	Nameplate	Wiring board

For more information please contact:

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