WOUND PRIMARY CURRENT TRANSFORMERS - J..B.. 24kV SERIES

- ***Indoor***
- ***7.2 - 12 - 17.5 - 24 kV***
- ***Primary current from 0 to 2500 A***
- ***Ith up to 1000 Ipn or 100kA.1s***
- ***Compact size***
- ***Dry insulation in epoxy resin***
- ***Up to 4 independent cores***
- ***Maintenance free***

Current transformers vacuum moulded in self-extinguishing epoxy resin for the measure of AC currents from 0 up to 2500A.

This comprehensive and compact range of current transformers has been designed to meet the requirements of MV switchgear manufacturers.

It allows for double ratios up to 600-1200A, and offers up to 4 independent cores.

Technical data

Rated insulation level	7.2/20/60 kV to 24/50/125 kV
Primary current Ipn	Up to 2500 A
Secondary current Isn	5 or 1 A
Frequency	50 or 60 Hz
Rated output	1 to 100 VA
Accuracy class	0.1 - 0.2 - 0.2S - 0.5 - 0.5S - 1 - 3 - 5P 10P - CLX - CLPX
Security factor	From 5 to 10
Accuracy limit factor	5 - 10 - 15 - 20 - 30
Continuous thermal current	1,2 Ipn
Short-time thermal current Ith	Up to 1000 Ipn or 100 kA.1s
Dynamic current Idyn	2.5 Ith
Insulation class	E
Ambient temperature	- 5°C to + 40°C
Standards	IEC - IEEE - CSA - AS - BS - UNE

Other characteristics on request

Power-frequency withstand voltage	Up to 75 kV
Double ratio	5-10 to 600-1200A by primary change-over
Secondary current Isn	0.005 to 10 A
Continuous thermal current	1.5 Ipn - 2 Ipn
Multiple cores	Up to 4
Ambient temperature	-25°C to + 70°C

Accessories / Options

Fixing plate	Standard
Surface finish	Polyurethan or Silicone coating
Sealable cover for secondary terminal (IP31)	Standard
Earth connector	Option

WOUND PRIMARY CURRENT TRANSFORMERS - J..B.. 24kV SERIES

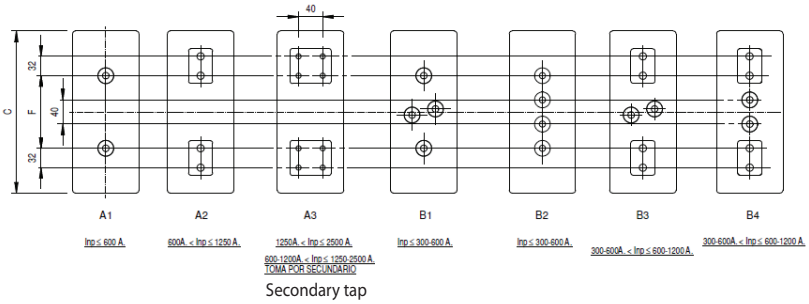
JBD-JBM-JBP-JBR-JBQ

Selection table and dimensions

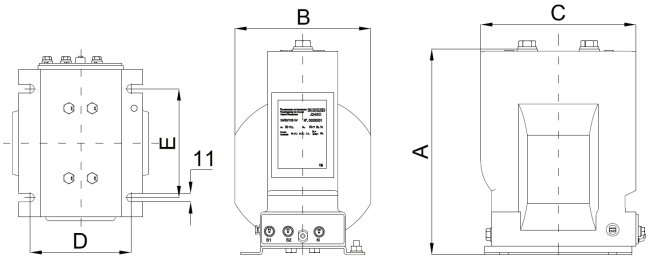
Type	Un *Up to (kV.)*	Weight *kg*	A *mm*	B *mm*	C *mm*	D *mm*	E *mm*
J7BD	7.2/20/60	14	265	175	200	130	140
J7BM	7.2/20/60	17	265	175	200	130	140
J7BP	7.2/20/60	20	265	175	230	130	140
J7BR	7.2/20/60	26	275	175	268	150	280
J7BQ	7.2/20/60	32	275	175	350	150	280
J12BD	12/28/75	14	265	175	200	130	140
J12BM	12/28/75	17	265	175	200	130	140
J12BP	12/28/75	20	265	175	230	130	140
J12BR	12/28/75	26	275	175	268	150	280
J12BQ	12/28/75	32	275	175	350	150	280
J17BD	17.5/38/95	14	265	175	200	130	140
J17BM	17.5/38/95	17	265	175	200	130	140
J17BP	17.5/38/95	20	265	175	230	130	140
J17BR	17.5/38/95	26	275	175	268	150	280
J17BQ	17.5/38/95	32	275	175	350	150	280
J24BD	24/50/125	14	265	175	200	130	140
J24BM	24/50/125	17	265	175	200	130	140
J24BP	24/50/125	20	265	175	230	130	140
J24BR	24/50/125	26	275	175	268	150	280
J24BQ	24/50/125	32	275	175	350	150	280

Primary terminals

Type	Ip	Single ratio primary			Double ratio primary			
		0...600A	*600...1250A*	*1250...2500A*	*Up to 300-600A*	*Up to 300-600A*	*Up to 600-1200A*	*Up to 600-1200A*
	C *mm*	F *mm*	F *mm*	F *mm*	F *mm*	F *mm*	F *mm*	F *mm*
JBD	200	80	-	-	80	-	-	-
JBM	200	80	80	-	80	-	80	-
JBP	230	80	80	-	80	-	80	-
JBR	268	120	120	120	-	120	-	120
JBQ	350	120	120	120	-	120	-	120
		A1	A2	A3	B1	B2	B3	B4



JBD



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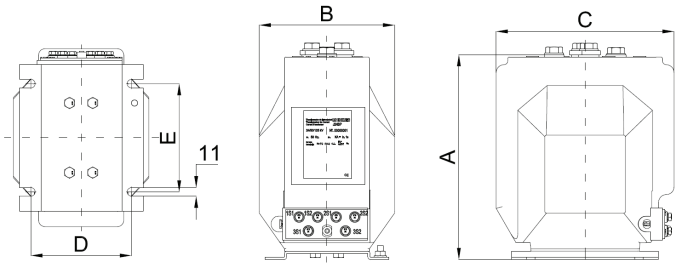

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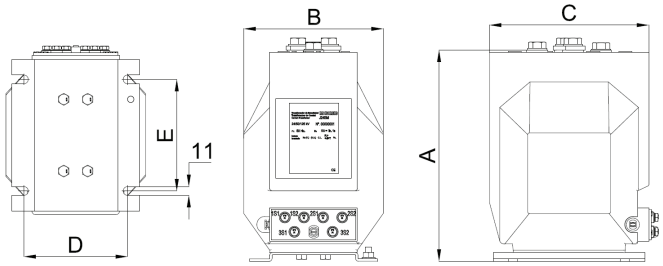
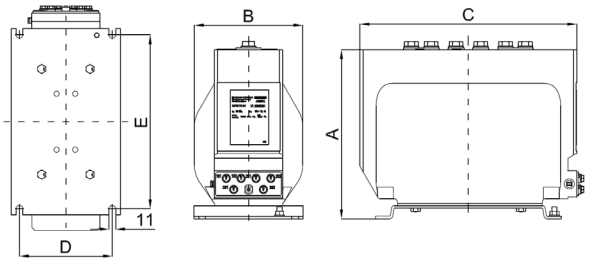


JBQ



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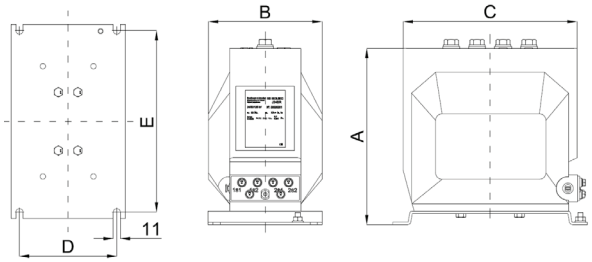

Installation

- This current transformer can be fixed in any position.
- Tightening torque for primary terminals 35 N.m
- Primary terminals M12x23 useful depth.
- Tightening torque for secondary terminals : M6 :4 N.m
- Never leave the secondary circuit of a current transformer open when voltage is applied to the transformer. High voltages may appear at the secondary circuit terminals which can be dangerous to personnel and may result in the destruction of the current transformer.
- This current transformer is maintenance free.