600 Volt Current Transformer

Model JAD-0C — Window: Cross Shaped

APPLICATION
Designed for both indoor and outdoor service. Suitable for operating meters, instruments and control devices. For use on higher voltage circuits with an insulated primary conductor.

WEIGHT & DIMENSIONS
(approximate)
Transformer, Window Type .....13 lbs
Mounting Base, add ..... 2 lbs
Height ..... 9.87" w/o base
Width ..... 8.50" w/o base
Depth .....2.27" w/o base

REFERENCE DRAWINGS
Outline 0121C35734
Bar Assembly 0221A36647
Flushmount Bracket Kit 0221A38343

INSULATION LEVEL
0.6kV; BIL 10kV full wave

FREQUENCY
50-60 Hz

Model JAD-0W (Encompass) — Window: 5.75"

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APPLICATION
Designed for both indoor and outdoor service. Suitable for operating meters, instruments and control devices. For use on higher voltage circuits with an insulated primary conductor.

REGULATORY AGENCY APPROVALS
UL Recognized .....File E93779

WEIGHT & DIMENSIONS
(approximate)
Transformer, Window Type .....13 lbs
Transformer, Primary-Bar Type .....17 lbs
Mounting Base, add .....2 lbs
Height .....9.87" w/o base,
Width ..... 8.50" w/o base, 10.75" w/base
Depth .....2.27" w/o base, 3.81" w/base

REFERENCE DRAWINGS
Outline 0121C33743

INSULATION LEVEL
0.6kV; BIL 10kV full wave

FREQUENCY
50-60 Hz

Model JCS-0C — Window: 2.50", 4.88", 5.25"

APPLICATION
Designed for indoor service; suitable for operating meters, relays and control devices, on circuits not exceeding 600V line-to-line. It may be used on higher voltage circuits with an insulated conductor.

REGULATORY AGENCY APPROVALS
UL Recognized .....File E93779

WEIGHT (Approximate)
Transformer, Cat No. 750X110038 .....47 lbs.
Transformer, Cat No. 750X110039-045 .....34 lbs.
Transformer, Cat No. 750X110046-072 .....28 lbs.
Optional base plate .....1.5 lbs.

DIMENSIONS
Height .....10.15"
Width .....8.38"
Depth .....4.62"

REFERENCE DRAWINGS
Outline 0121C33697

INSULATION LEVEL
0.6kV; BIL 10kV full wave

FREQUENCY
50-60 Hz

JAD-0C DATA TABLE

Current Ratio (Amps) Pri : Sec	IEEE Accuracy Class 60 Hz Burden					Continuous Thermal Current Rating Factor		Catalog Number Without Mounting Base	Catalog Number Stainless Steel Base Assembled
	B0.1	B0.2	B0.5	B0.9	B1.8	@ 30°C Amb.	@ 55°C Amb.		
Single Ratio									
800:5	0.3	0.3	0.3	--	--	3.0	2.0	750X120009	750X120663
1000:5	0.3	0.3	0.3	0.3	--	2.0	1.5	750X120010	750X120664
1200:5	0.3	0.3	0.3	0.3	--	2.0	1.5	750X120011	750X120665
1500:5	0.3	0.3	0.3	0.3	--	3.0	2.0	750X120183	750X120666
2000:5	0.3	0.3	0.3	0.3	0.3	2.0	1.5	750X120013	750X120667
2500:5	0.3	0.3	0.3	0.3	0.3	1.5	1.0	750X120014	750X120668
3000:5	0.3	0.3	0.3	0.3	0.3	1.5	1.0	750X120015	750X120669
4000:5	0.3	0.3	0.3	0.3	0.3	1.5	1.0	750X120016	750X120670
Dual Ratio									
600/1200:5	0.3	0.3	--	--	--	2.0	1.5	750X120030	750X120671
	0.3	0.3	0.3	--	--	2.0	1.5		
800/1600:5	0.3	0.3	--	--	--	2.0	1.5	750X120031	750X120672
	0.3	0.3	0.3	--	--	2.0	1.5		
1000/2000:5	0.3	0.3	0.3	--	--	2.0	1.5	750X120032	750X120673
	0.3	0.3	0.3	0.3	0.3	1.5	1.0		
1500/3000:5	0.3	0.3	0.3	--	--	2.0	1.5	750X120033	750X120674
	0.3	0.3	0.3	0.3	0.3	1.5	1.0		
2000/4000:5	0.3	0.3	0.3	--	--	2.0	1.5	750X120034	750X120675
	0.3	0.3	0.3	0.3	0.3	1.5	1.0		

JAD-0W DATA TABLE - Window Type

Current Ratio (Amps) Pri : Sec	IEEE Accuracy Class 60 Hz** Burden 0.3 B0.5	Number of Primary Bars	Continuous Thermal Current Rating Factor		Catalog Number	
			@ 30°C Amb.	@ 55°C Amb.	Without Mounting Base	Base Assembled
1000:5	400:2 to 4000:20	Window	4.0	3.0	750X120609	750X120611
1000:5	400:2 to 4000:20	4*	4.0	3.0	750X120610	750X120612

* Bus bars can be removed. Use one bar to 1500 amp ratio, two bars to 2000 amps, three to 3000 amps and four to 4000 amps.
** Transformer rated meters must be investigated for use at the lower current range extension.

JCS-0C DATA TABLE

Current Ratio ϕ (Amps) Pri : Sec	IEEE Accuracy Class 60 Hz Burden		Continuous Thermal Current Rating Factor		Window Diameter Ψ (inches)	Catalog Number	
	Meter Class	Relay Class	@ 30°C Amb.	@ 55°C Amb.		With Base	Without Base
Single-Ratio							
50:5	2.4 thru B0.2	C20	2.0	2.0	2.50	750X110038	750X110001
100:5	2.4 thru B0.2	C10	2.0	2.0	4.88	750X110039	750X110002
200:5	0.6 thru B0.2	C20	2.0	2.0	4.88	750X110041	750X110004
300:5	0.3 thru B0.2	C50	2.0	2.0	4.88	750X110042	750X110005
400:5	0.3 thru B0.5	C50	2.0	2.0	4.88	750X110043	750X110006
600:5	0.3 thru B0.5	C100	2.0	2.0	4.88	750X110045	750X110008
800:5	0.3 thru B0.9	C100	2.0	2.0	5.25	750X110046	750X110009
1000:5	0.3 thru B0.9	C100	2.0	2.0	5.25	750X110047	750X110010
1200:5	0.3 thru B1.8	C200	2.0	1.5	5.25	750X110048	750X110011
1500:5	0.3 thru B1.8	C200	1.5	1.0	5.25	750X110049	750X110012
1600:5	0.3 thru B1.8	C200	1.33	1.0	5.25	750X110050	750X110013
2000:5	0.3 thru B1.8	C200	1.0	0.8	5.25	750X110051	750X110014
2500:5	0.3 thru B1.8	C200	1.0	0.8	5.25	750X110052	750X110015
3000:5	0.3 thru B1.8	C200	1.0	0.8	5.25	750X110053	750X110016
4000:5	0.3 thru B1.8	C100	1.0	0.8	5.25	750X110054	750X110017
Multi-Ratio (IEEE C57.13)							
1200:5MR	0.3 thru B1.8	C200	2.0	1.5	5.25	750X110069	---
2000:5MR	0.3 thru B1.8	C200	1.0	0.8	5.25	750X110070	---
*2000:5	0.3 thru B1.8	C200	1.0	0.8	5.25	750X110073	---
3000:5MR	0.3 thru B1.8	C200	1.0	0.8	5.25	750X110071	---
4000:5MR	0.3 thru B1.8	C100	1.0	0.8	5.25	750X110072	---

Ψ Other window diameters are available for special applications, consult factory
ϕ Other ratios are available for special applications, consult factory
* Non-standard taps 200/400/600/800/1200/1400/1600/1800/2000:5