

Zero Sequence (Residual) Current Transformers

Zero Sequence/Residual Current Transformers

Yuanxing Zero sequence (residual) current transformers are for indoor application, various window sizes, installation types and turn ratios are selectable, detailed specifications is as shown in below chart.



FEATURES

- Low Cost
- High permeability core material, without air gap, and the secondary winding is evenly wound with small magnetic leakage.
- More than ten kinds of external structure dimensions
- Various specifications available

APPLICATIONS

- Current and voltage monitoring, fire and electric leakage prevention system, small current grounding system
- Electromagnetic relay protection device, microcomputer protection device

SPECIFICATIONS

- Frequency: 50-2000 Hz
- Environment Working Temperature: -20 C - +50 C, -40 C - +85 C optional
- Working Voltage: 600Vac • Dielectric Strength: 2500Vac /min
- Impulse Voltage: 5000V (1.2/50µs standard lightning wave)
- Environment Protection: RoHS compliant
- Accuracy Class: Class 0.2, 0.5, 1.0, 2.0.

Outline Dimensions

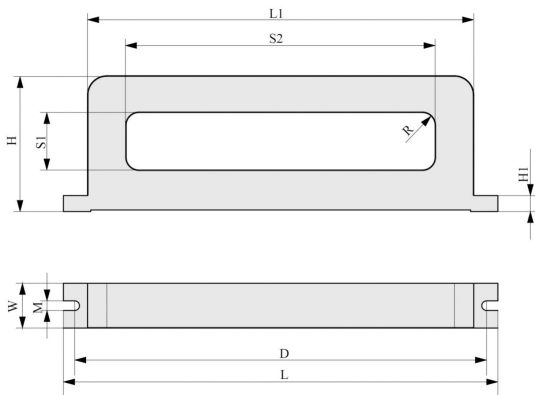


Figure 3

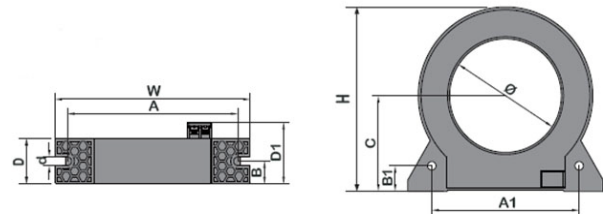
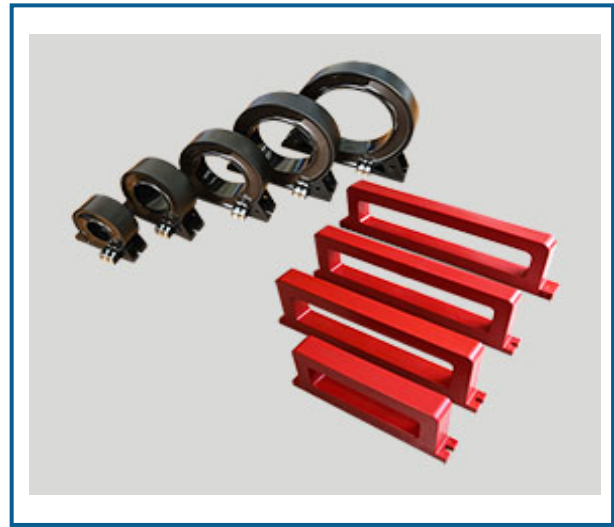


Figure 1

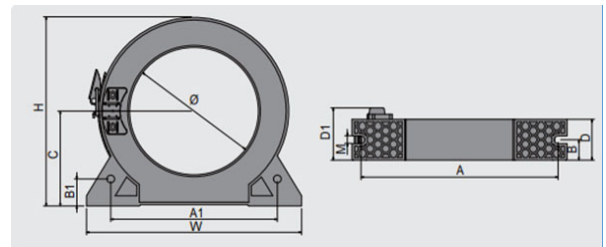


Figure 2

Technical Performance

Solid Core (window type) Zero Sequence Current Transformers for Cable

Unit: mm

Model	Window ID	Turn Ratio	Measuring Range	Accuracy	φ	H	D	W	A	A1	B	B1	C	D1	d	Dimensional drawing
ZCTA3051	30	1000:1 2000:1	10mA-20A	Class 0.2, 0.5, Burden <100Ω, Terminal Output or Cable output.	30	67	25	76	69	58	12.5	11.5	35	36	5	Figure 1
ZCTA4551	45				46	86	28	98	87	72	14	13	45	39	5	
ZCTA6551	65				65	105	28	124	110	97.5	14	14	53	39	6	
ZCTA8051	80				80	130	32	140	122	106	16	18	67.5	43	6	
ZCTA1001	100				100	148	32	167	153	129	16	21	74.5	43	6	
ZCTA1501	150				150	206	32	225	205	178	16	34	103.5	43	6	
ZCTA2001	200				200	274	40	296	278	226	20	44	138	51	8	

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Single turn primary
Measurement

Wound primary
Electronic Watthour Meter

Without DC Immunity
Steady Protection

With DC Immunity
Transient Protection

For Protection Relay

Passive for Fault Recording
Active for Fault Recording

Motor Protection

ZCTA Series

Miniature

Zero Sequence

Technical Performance

Unit: mm

Split Core Zero Sequence Current Transformers for Cable

Model	Window ID	Turn Ratio	Measuring Range	Accuracy	φ	H	D	W	A	A1	B	B1	C	D1	d	Dimensional drawing
ZCTSA3051	30	1000:1 2000:1	10mA-20A	Class 1.0, 3.0, Burden <100Ω, Terminal Output or Cable output.	30	67	25	76	69	58	12.5	11.5	35	36	5	Figure 2
ZCTSA4551	45				46	86	28	98	87	72	14	13	45	39	5	
ZCTSA6551	65				65	105	28	124	110	97.5	14	14	53	39	6	
ZCTSA8051	80				80	130	32	140	122	106	16	18	67.5	43	6	
ZCTSA1001	100				100	148	32	167	153	129	16	21	74.5	43	6	
ZCTSA1501	150				150	206	32	225	205	178	16	34	103.5	43	6	
ZCTSA2001	200				200	274	40	296	278	226	20	44	138	51	8	

Solid Core Zero Sequence Current Transformers for Busbar

Model	Window	Turn Ratio	Measuring Range	Accuracy	WindowS 2-SI	R	L	H	H1	W	L1	M	D	Dimensional drawing
ZCTB1125	112*25	1000:1 2000:1	10mA-20A	Class 1.0, 3.0, Burden <100Ω, Terminal Output or Cable output.	112*25	5	186	70	10	28	180	6	171	Figure 3
ZCTB1435	142*35				142*35	6	270	85	10	28	240	6	255	
ZCTB1935	192*35				192*35	6	310	95	10	28	280	6	295	
ZCTB2345	232*45				232*45	6	310	95	10	28	280	6	295	
ZCTB3248	320*48				320*48	8	417	99	10	32	370	6	390	

Split Core Zero Sequence Current Transformers for Busbar

Model	Window	Turn Ratio	Measuring Range	Accuracy	WindowS 2-SI	R	L	H	H1	W	L1	M	D	Dimensional drawing
ZCTSB1125	112*25	1000:1 2000:1	10mA-20A	Class 3.0, Burden <100 Ω, Terminal Output or Cable output.	112*25	5	186	70	10	28	180	6	171	Figure 3
ZCTSB1435	142*35				142*35	6	270	85	10	28	240	6	255	
ZCTSB1935	192*35				192*35	6	310	95	10	28	280	6	295	
ZCTSB2345	232*45				232*45	6	310	95	10	28	280	6	295	
ZCTSB3248	320*48				320*48	8	417	99	10	32	370	6	390	

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