

LOW VOLTAGE CURRENT TRANSFORMER

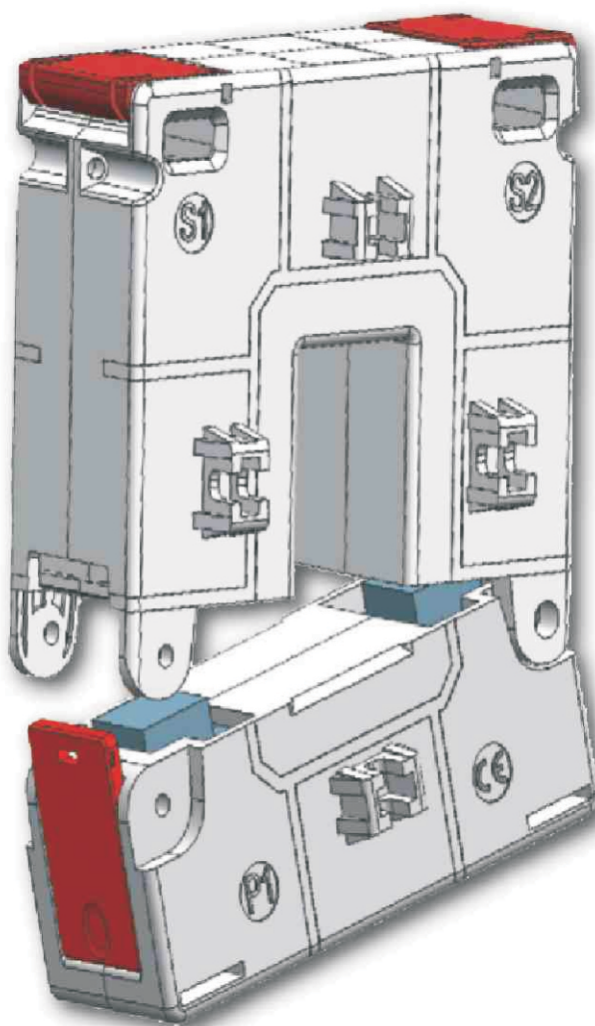
RISH SPLIT CORE



Data Sheet

**SQUARE SPLIT CORE
CURRENT TRANSFORMER**

SPLIT CORE



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Rishabh Instruments



Measure, Control & Record with a Difference

**RISHABH
INSTRUMENTS**

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LOW VOLTAGE CURRENT TRANSFORMER

Applicable standard: - IEC-61869-1&2 / IEC- 60044 -1, BS 3938, IS 2705 -1,2&3.

Case: - Unfilled polycarbonate, flame retardant grades classified UL 94V-0.

Connection: - Two connection on each side. M4 screws with self lifting clamp strap assembly for RishXmer series and 1 connection on each side M4 screws with self lifting clamp strap for Rish CT series.

Insulation class: - E (120°C max)

System voltage: - 720V maximum

Test voltage: - 4 KV 50 Hz for 1 min

Operating frequency: - 50Hz / 60 Hz

Rated primary rating: - 100 A to 5000 A

Rated secondary output: - 5A standard (1A on request)

Rated burden: - 1, 1.25, 1.5, 2.5, 3.75, 5, 7.5, 10, 12.5, 15, 20, 30, 45 VA

Class of accuracy: - 0.5 for accurate measuring, kWh
1 for general measurement
3 for indicating instruments

Ambient temperature: - -25°C to +40°C

Storage temperature: - -50°C...+80°C

Thermal short circuit current (I_{th}): - 60xI_n for Bus Bar type CT.

Dynamic short circuit current (I_{dyn}): - 2.5xI_{th}

Instrument security factor (FS): - 2.5, 5, 10

Features

Wide range of system current Ratings.

Various mounting options like Bus bar mounting, Wall mounting.

Hinged terminal cover.

Terminal with self lifting screw with dual connection facility giving access from both sides of transformers.

APPLICATIONS

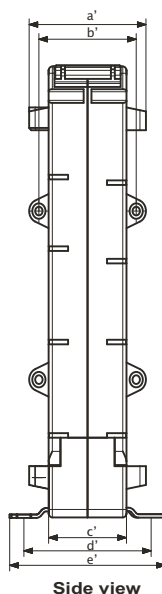
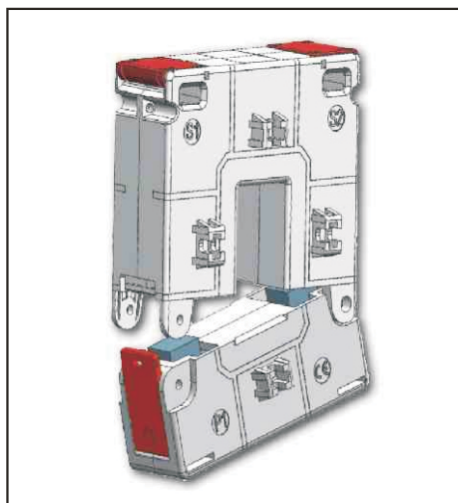
- Switchgear
- Distribution system
- Generator sets
- Control panels
- Overload protection
- Control devices



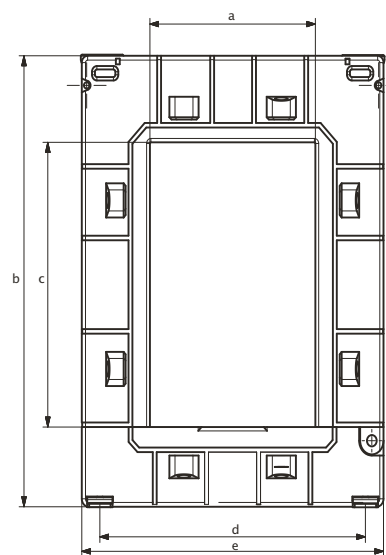
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Side view



Front view

ALL DIMENSIONS ARE IN MM

DIMENSION DETAILS

Front View					
	a	b	c	d	e
93/30SC (40)	23	106	33	75	93
105/50SC (50)	43	125	55	90	108
125/50SC (40)	55	158	85	106	125
155/80SC (40)	85	198	125	136	155
195/80SC (64)	85	245	172	177	195

Side View					
Model	a'	b'	c'	d'	e'
93/30SC (40)	54	46	40	62	76
105/50SC (50)	64	56	50	72	86
125/50SC (40)	54	46	40	62	76
155/80SC (40)	54	46	40	62	76
195/80SC (64)	78	71	40	62	76



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SPLIT CORE CT

Primary Current	VA/Acc Class	OD/ID (Axial)	RISH CT Type
100A	1.5VA / Class 1	93 / 30 (40)	RISH Xmer 93/30SC (40)
100A	3.5VA / Class 3	93 / 30 (40)	RISH Xmer 93/30SC (40)
150A	1.75VA / Class 1	93 / 30 (40)	RISH Xmer 93/30SC (40)
150A	3.75VA / Class 3	93 / 30 (40)	RISH Xmer 93/30SC (40)
200A	2.5VA / Class 1	93 / 30 (40)	RISH Xmer 93/30SC (40)
200A	5VA / Class 3	93 / 30 (40)	RISH Xmer 93/30SC (40)
250A	3.75VA / Class 1	93 / 30 (40)	RISH Xmer 93/30SC (40)
250A	6.25VA / Class 3	93 / 30 (40)	RISH Xmer 93/30SC (40)
300A	2.5VA / Class 0.5	93 / 30 (40)	RISH Xmer 93/30SC (40)
300A	5VA / Class 1	93 / 30 (40)	RISH Xmer 93/30SC (40)
300A	6.25VA / Class 3	93 / 30 (40)	RISH Xmer 93/30SC (40)
400A	3.75VA / Class 0.5	93 / 30 (40)	RISH Xmer 93/30SC (40)
400A	6.25VA / Class 1	93 / 30 (40)	RISH Xmer 93/30SC (40)
400A	10VA / Class 3	93 / 30 (40)	RISH Xmer 93/30SC (40)

Primary Current	VA/Acc Class	OD/ID(Axial)	RISH CT Type
100	1.5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
125	1.5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
150	1.5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
200	1.5VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
200	1.75VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
250	2.5VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
250	3.75VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
300	2.5VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
300	5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
400	5VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
400	5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
500	5VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
500	7.5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
600	6.25VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
600	7.5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
750	7.5VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
750	10V A / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)
800	7.5VA / Class 0.5	105/50 (50)	RISH Xmer 105/50SC (50)
800	12.5VA / Class 1	105/50 (50)	RISH Xmer 105/50SC (50)

Primary Current	VA/Acc Class	OD/ID (Axial)	RISH CT Type
250A	1VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
250A	2.5VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
300A	2.5VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
300A	3.75VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
400A	2.5VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
400A	3.75VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
500A	3.75VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
500A	5VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
600A	5VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
600A	7.5VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)



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Primary Current	VA/Acc Class	OD/ID (Axial)	RISH CT Type
800A	7.5VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
800A	10VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
1000A	10VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
1000A	15VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
1200A	10VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
1200A	15VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
1500A	10VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
1500A	15VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)
2000A	10VA / Class 0.5	125 / 50 (40)	RISH Xmer 125/50SC (40)
2000A	15VA / Class 1	125 / 50 (40)	RISH Xmer 125/50SC (40)

Primary Current	VA/Acc Class	OD/ID (Axial)	RISH CT Type
250A	1VA / Class 0.5	155 / 80 (40)	RISH Xmer 155/80SC (40)
250A	2.5VA / Class 1	155 / 80 (40)	RISH Xmer 155/80SC (40)
300A	2.5VA / Class 0.5	155 / 80 (40)	RISH Xmer 155/80SC (40)
300A	3.75VA / Class 1	155 / 80 (40)	RISH Xmer 155/80SC (40)
400A	2.5VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
400A	3.75VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
500A	3.75VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
500A	5VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
600A	5VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
600A	7.5VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
750A	7.5VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
750A	10VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
800A	7.5VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
800A	10VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
1000A	10VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
1000A	15VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
1200A	15VA / Class 0.5	155 / 80 (40)	RISH Xmer 155/80SC (40)
1200A	30VA / Class 1	155 / 80 (40)	RISH Xmer 155/80SC (40)
1250A	15VA / Class 0.5	155 / 80 (40)	RISH Xmer 155/80SC (40)
1250A	30VA / Class 1	155 / 80 (40)	RISH Xmer 155/80SC (40)
1500A	20VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
1500A	45VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
1600A	20VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
1600A	45VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
2000A	20VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
2000A	45VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
2500A	25VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
2500A	45VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)
3000A	30VA / Class 0.5	155/80 (40)	RISH Xmer 155/80SC (40)
3000A	45VA / Class 1	155/80 (40)	RISH Xmer 155/80SC (40)



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Primary Current	VA/Acc Class	OD/ID(Axial)	RISH CT Type
500A	1.25VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
500A	5VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
600A	1.25VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
600A	5VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
750A	5VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
750A	10VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
800A	7.5VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
800A	10VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
1000A	10VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
1000A	20VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
1200A	15VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
1200A	20VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
1250A	15VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
1250A	20VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
1500A	20VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
1500A	30VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
1600A	20VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
1600A	30VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
2000A	25VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
2000A	30VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
2500A	25VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
2500A	30VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
3000A	30VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
3000A	45VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
4000A	30VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
4000A	45VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)
5000A	30VA / Class 0.5	195/80 (64)	RISH λ mer 195/80SC (64)
5000A	45VA / Class 1	195/80 (64)	RISH λ mer 195/80SC (64)

