

LOW VOLTAGE CURRENT TRANSFORMER

RISH SPLIT CORE



Data Sheet

**SQUARE SPLIT CORE
CURRENT TRANSFORMER**

SPLIT CORE



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- # **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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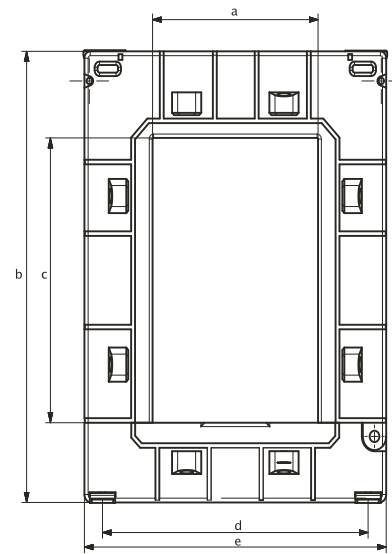
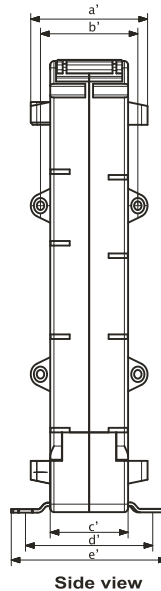
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Measure, Control & Record with a Difference

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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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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	1.5VA / 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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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)

