

# LOW VOLTAGE CURRENT TRANSFORMER

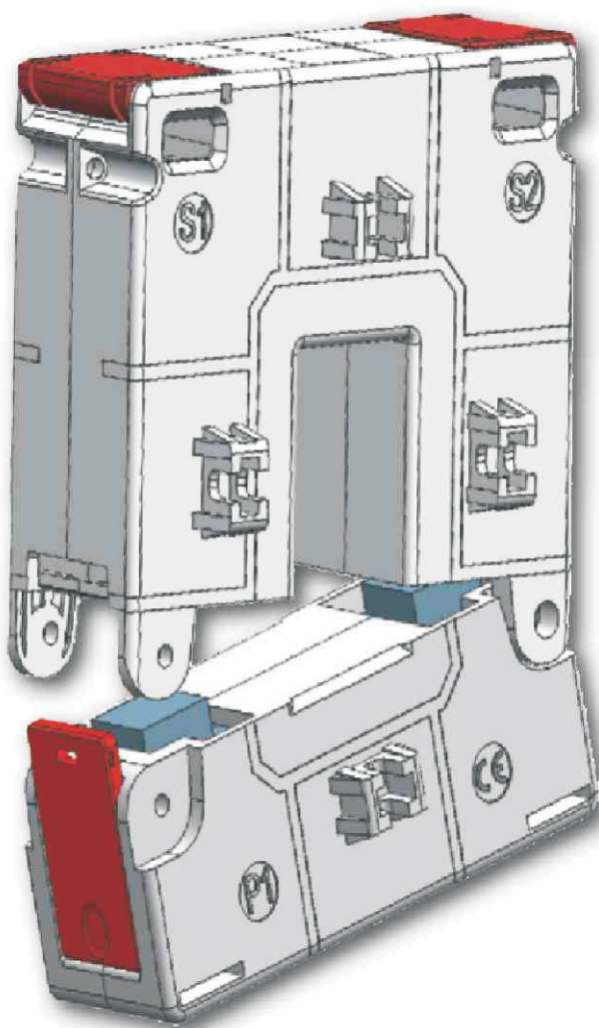
**RISH SPLIT CORE**



## Data Sheet

**SQUARE SPLIT CORE  
CURRENT TRANSFORMER**

### SPLIT CORE



# 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<sub>th</sub>):** - 60xI<sub>n</sub> for Bus Bar type CT.

**# Dynamic short circuit current (I<sub>dyn</sub>):** - 2.5xI<sub>th</sub>

**# 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

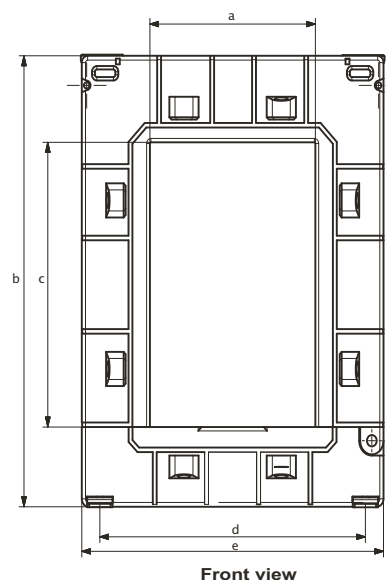
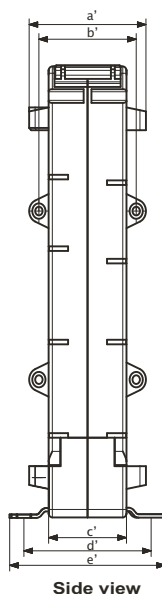
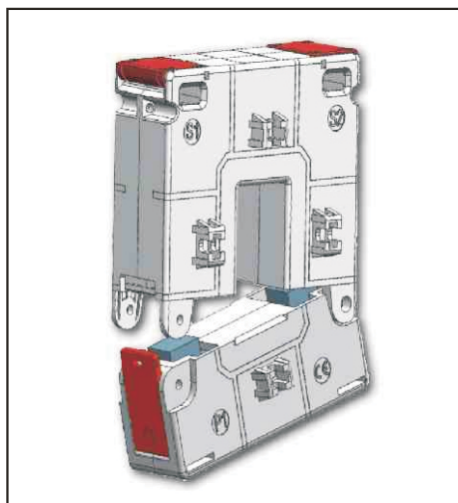
- Switchgear
- Distribution system
- Generator sets
- Control panels
- Overload protection
- Control devices



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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 |



# LOW VOLTAGE CURRENT TRANSFORMER

## RISH SPLIT CORE

### SPLIT CORE CTs

| 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            | 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            | 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             | 1.75VA / 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             | 3.75VA / 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             | 5VA / 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             | 7.5VA / 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             | 10VA / 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             | 12.5VA / 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            |
|-----------------|--------------------|---------------|-------------------------|
| 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) |
| 750A            | 7.5VA / Class 0.5  | 125 / 50 (40) | RISH Xmer 125/50SC (40) |
| 750A            | 10VA / Class 1     | 125 / 50 (40) | RISH Xmer 125/50SC (40) |
| 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) |



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| 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           | 20VA / Class 0.5   | 155/80 (40)   | RISH Xmer 155/80SC (40) |
| 2500A           | 45VA / Class 1     | 155/80 (40)   | RISH Xmer 155/80SC (40) |
| 3000A           | 20VA / 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 $\lambda$ mer 195/80SC (64) |
| 500A            | 5VA / Class 1      | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 600A            | 1.25VA / Class 0.5 | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 600A            | 5VA / Class 1      | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 750A            | 5VA / Class 0.5    | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 750A            | 10VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 800A            | 7.5VA / Class 0.5  | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 800A            | 10VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1000A           | 10VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1000A           | 20VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1200A           | 15VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1200A           | 20VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1250A           | 15VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1250A           | 20VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1500A           | 20VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1500A           | 30VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1600A           | 20VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 1600A           | 30VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 2000A           | 25VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 2000A           | 30VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 2500A           | 25VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 2500A           | 30VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 3000A           | 30VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 3000A           | 45VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 4000A           | 30VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 4000A           | 45VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 5000A           | 30VA / Class 0.5   | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |
| 5000A           | 45VA / Class 1     | 195/80 (64)  | RISH $\lambda$ mer 195/80SC (64) |

