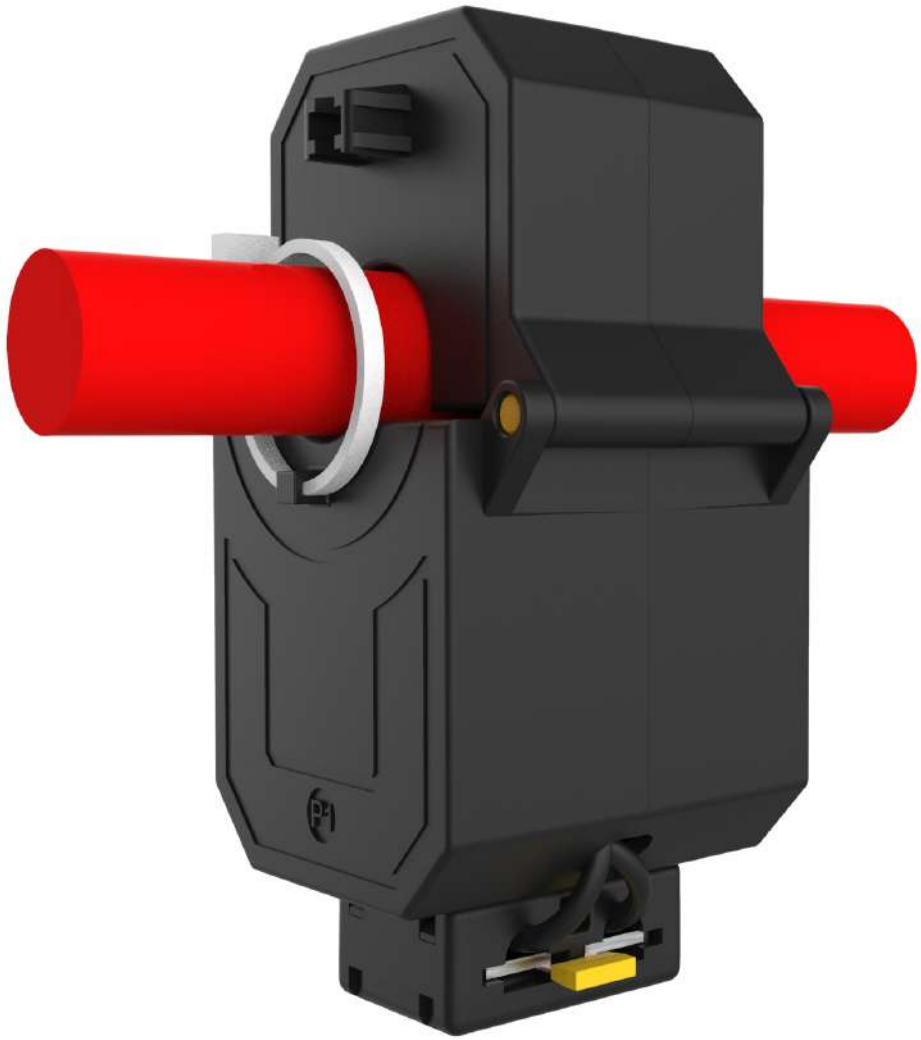
RISHABH

Operating manual

RISH Compact Split Core CT



Measure Control Record Analyze

Indication

Before initial operation we ask you to pay full attention to these assembling instructions in order to guarantee the reliability and to ensure the performance of the device.

Functional description

Current transformers of the model range Compact SCCT are inductive single conductor-current transformers operating according to the transformer principle. Due to the applicated measuring principle, current transformers of this type may only be installed in alternating current (AC) networks.

Rish Compact Split Core CT are to be used Only with Insulated Primary Conductors.

Assembly

1. Ensure a safe work environment during assembly, maintenance and inspection operations. If necessary interrupt the current supply of the primary conductor and take precautions against unintentional switching.

2. Open the current transformer and fix it on the primary conductor using the Cable Tie or Fixing clamps provided with the mounting kit.

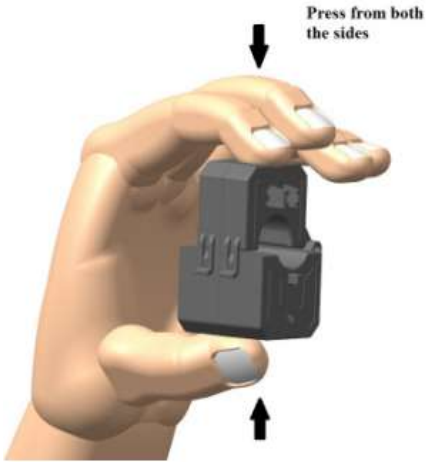
P1: Direction of power supply
P2: Direction of power source

Attention: (i) Do not close the current transformer, high voltages may appear on the open secondary leads.
(ii) Check for cleanness of the cut surfaces of the split core.

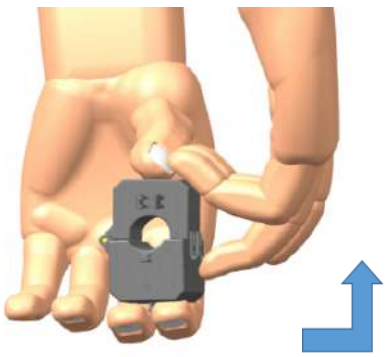
3. Connect the secondary wires of the current transformer with the measuring device (ampere meter, energy meter). Pay attention to the installation guide of the measuring device.

Kindly follow the below procedure :-

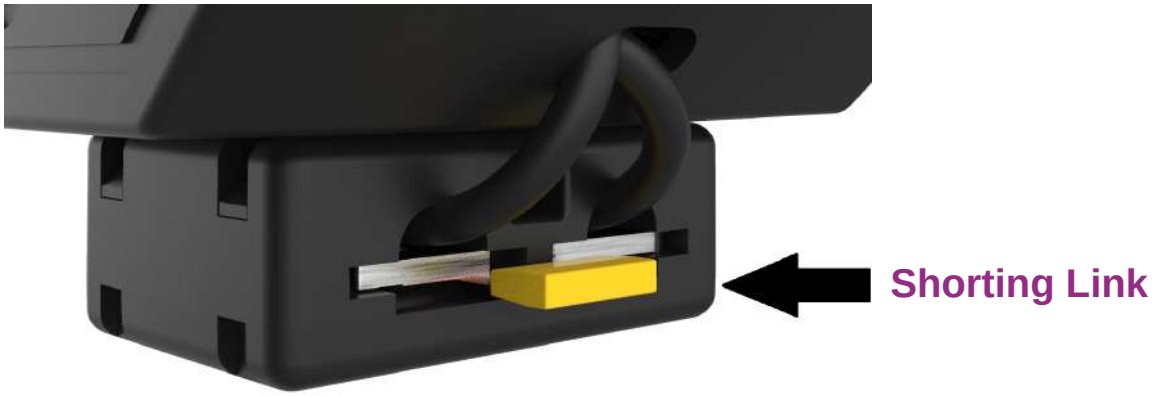
STEP 1 :- Press the CT from both the sides before unlatching the clicks as shown in figure below.



STEP 2 :- Now unlatch the clicks and insert the primary cable. Then latch the clicks properly.



STEP 3 :- Remove the Shorting Link before use.



Do remove the Shorting Link to get the desired output (As defined in STEP 3)

STEP 4 :- Check whether the current transformer is assembled correctly and the secondary leads are connected.properly

STEP 5 :- For split core CT , use shoring link to disconnect the Load (Meter) from the CT.

Safety instructions

In order to avoid personal and material damage the following assembling steps must by performed only by authorised, qualified and trained personnel.

If the secondary circuit is operated without a burden/load (open) high voltages may appear. These voltage values are dangerous for persons as well as for the functional reliability of the current transformer.
It is forbidden to operate the current transformer without a secondary circuit (open)!

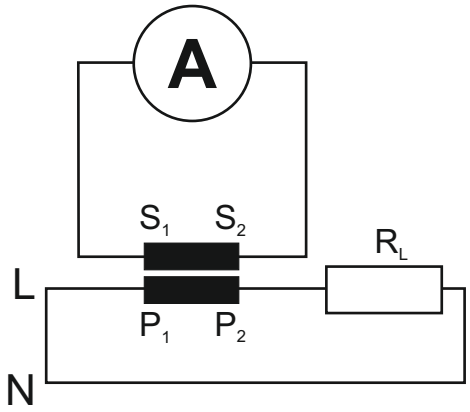
Always use Shorting link to short the secondary terminals berore opening the seconadry circuit.

Technical parameters

Primary current:	60A to 500A
Secondary current:	1A or 5A
Accuracy class:	1 & 3
Instrument Security Factor:	FS5, FS10, FS15
Rated frequency:	50Hz or 60Hz *(Whichever is specified)*
Rated continuos thermal current (standard):	1,2 x In
Rated short time thermal current Ith:	60 x In, 1 s (Max 40kA)
Rated isolation level:	0,6/3/-kV
Place of installation:	Indoor

Altitude:	up to 1000 m
Degree of protection:	IP10
Degree of pollution:	2
Ambient temperature:	-25°C ≤ ϑ ≤ +40°C (0…95% relative humidity, non condensing!)
Storage temperature:	-50°C ≤ ϑ ≤ +80°C
Applied standards:	IEC - 61869 - 1&2 : Performance IEC - 61010 - 2 : Safety.

Wiring diagram



Environmental instruction

When the product has reached it´s “end of life“, it must be recycled. Pass it to an electrical waste disposal. Do not dispose as unsorted municipal waste!

CE

This product was developed and manufactured in accordance with the applicable regulations (IEC 61010, IEC 61869) and meets the requirements of the low voltage guideline 2006/95/EG