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Warning! Installation by person with electrotechnical expertise only.

QR Code for online manual.

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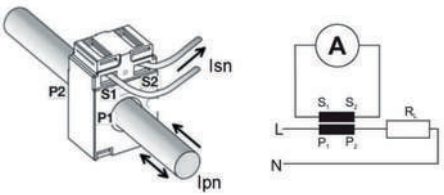


CT1M
Current Transformer
INSTALLATION MANUAL

1.Packaging Content

- CT1M
- Installation Manual

2.Assembly & Wiring



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. (i) For Split core CT: Open the current transformer and fix it on the primary conductor using the fixing clamps (mounting material).
   (ii) For Window type CT: Bar or cable primary insert through primary cable or bus bar & fix it using mounting screw assembly.

P1: Direction of power supply
P2: Direction of load

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.

4. Now fasten the current transformer, press until the lock engage.
5. If necessary, start the current supply again.
6. Check whether the current transformer is assembled correctly, and the secondary leads are connected properly.
7. For split core CT, use "lock pin" supplied along with CT to protect against accidental opening of CT during use.

3.Technical Data

Electrical Characteristics	
System voltage:	720 V Maximum
Rated frequency:	50/60Hz
Rated secondary output:	5 A
Rated continuous thermal current:	1.2 x In
Rated short time thermal current (Ith):	60 x In (1s)
Dynamic short circuit current (Idyn):	2.5 x Ith
Instrument security factor:	5, 10, 15
Mechanical Properties	
Insulation class:	E (120°C Max)
Place of installation:	Indoor
Degree of protection:	IP20
Climate conditions	
Ambient temperature:	-20°C…+45°C
Storage temperature:	-50°C…+80°C
Standards	
Standards:	IEC61869-2

(EN) English

Warning! Hazardous voltage! Installation by person with electrotechnical expertise only. Due to the risk of overvoltages, current transformers should not be operated with secondary terminals open, but only when they are short-circuited.

(IT) Italiano

Avvertenza! Tensione pericolosa! Far installare solo da un elettricista specializzato. A causa del pericolo di sovratensioni, non azionare i trasformatori di corrente con i terminali secondari aperti ma solo in cortocircuito.

(FR) Français

Avertissement! Tension électrique dangereuse!Installation uniquement par des personnes qualifiées en électrotechnique. En raison du risque de surtensions, les transformateurs de courant ne doivent pas fonctionner secondaire ouvert, mais uniquement avec leur secondaire en court-circuit.

(ES) Español

¡Advertencia! ¡Tensión peligrosa! La instalación deberá ser realizada únicamente por electricistas especializados. Debido al riesgo de sobretensiones, los transformadores de corriente no deben operarse con bornes secundarios abiertos, sino únicamente en cortocircuito.

(DE) Deutsch

Warnung! Gefährliche Spannung! Installation nur durch elektro technische Fachkraft. Wegen der Gefahr von Überspannungen dürfen Stromwandler nicht mit offenen Sekundärklemmen betrieben werden, sondern nur im Kurzschluss.

(PT) Português

Aviso! Tensão perigosa! Instalação apenas por pessoas com conhecimentos electrotécnicos. Devido ao risco de sobretensões, os transformadores de corrente não devem ser operados com os terminais secundários abertos, mas apenas quando estão em curto-circuito.

(DA) Dansk

Advarsel! Farlig spænding! Må kun installeres af personer med elektroteknisk ekspertise. På grund af risikoen for overspænding må strømtransformere ikke anvendes med åbne sekundærklemmer, men kun når de er kortsluttede.

(SV) SVENSKA

Varning! Farlig spänning! Installation får endast utföras av en elektriker. Wegen der På grund av risken för överspänning får strömomvandlare inte drivas med öppna sekundärklämmor, utan endast under kortslutning.

(ZH) 简体中文

警告！危险电压！仅可由电气专业人员安装。 因存在过电压危险，变流器不 能与常开次级端子共同运行，否则将造成短路