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Warning! Installation by person with electrotechnical expertise only.



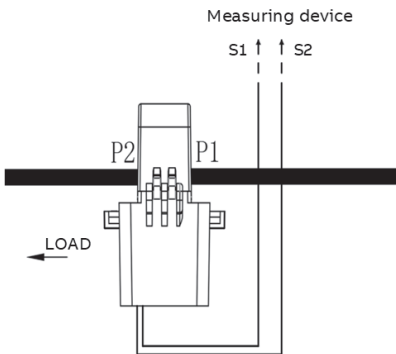
QR Code for online manual.

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1. Packaging Content

- CT1M-C
- 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. CT1M-C is a split core through primary current transformer, the wire which current must be measured must pass through the opening of the transformer.
3. The conductive cable coming from the supply must be inserted into the transformer on the P1 side and emerge on the P2 side towards the load of the installation to be measured.
4. Once the primary is connected, wire the transformer's secondary (S1 and S2) to the measuring device.

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19-06-2025

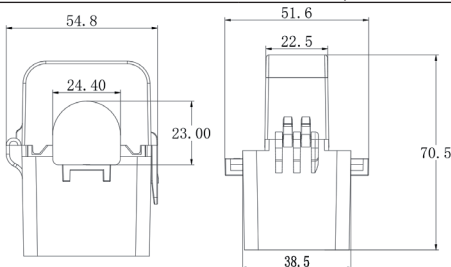
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CT1M-C Current Transformer INSTALLATION MANUAL

3. Technical Data

Electrical Characteristics	
System voltage:	720 V Maximum
Insulation voltage:	3 kV
Rated frequency:	50/60Hz
Primary current:	100...300 A
Secondary current:	5 A
Continuous overload	1.2 x In
Rated short time thermal current (I _{th}):	60 x In (1s)
Dynamic short circuit current (I _{dyn}):	2.5 x I _{th}
Instrument security factor:	FS 5
Mechanical Properties	
Maximum conductor diameter:	Ø 24 mm
Cable S1, S2	2 mm ² - 1 meter length
Window size	24.4 x 23.0 mm
Insulation class:	B (130°C)
Place of installation:	Indoor
Degree of protection:	IP20
Maximum altitude:	1000 m
Enclosure:	PC Lexan™ 940-701
Dimensions:	54.8 x 70.5 x 51.6 mm
Weight:	0.2 kg
Climate conditions	
Ambient temperature:	-5°C...+40°C
Storage temperature:	-20°C...+75°C
Standards	
Standards:	IEC 61869-1, IEC 61869-2



(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 strømttransformere ikke anvendes med åbne sekundærklemmer, men kun når de er kortslyttede.

(SV) SVENSKA

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

(ZH) 简体中文

警告！危险电压！安装必须由具备电气技术专业知识的人员进行。由于存在过电压风险，电流互感器不得在二次侧端子开路时运行，而只能在二次侧端子短路时运行。