

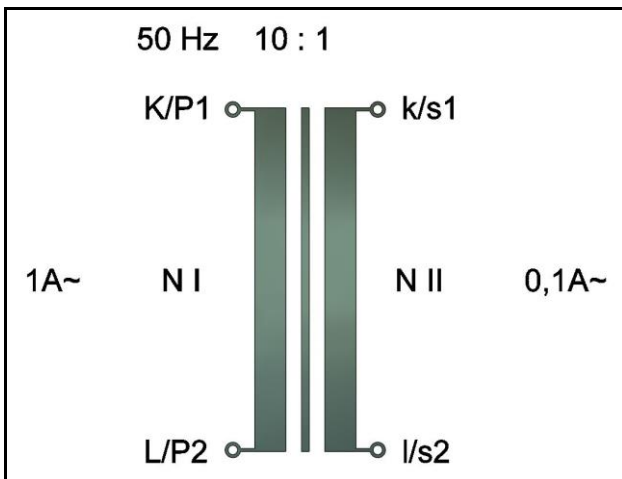
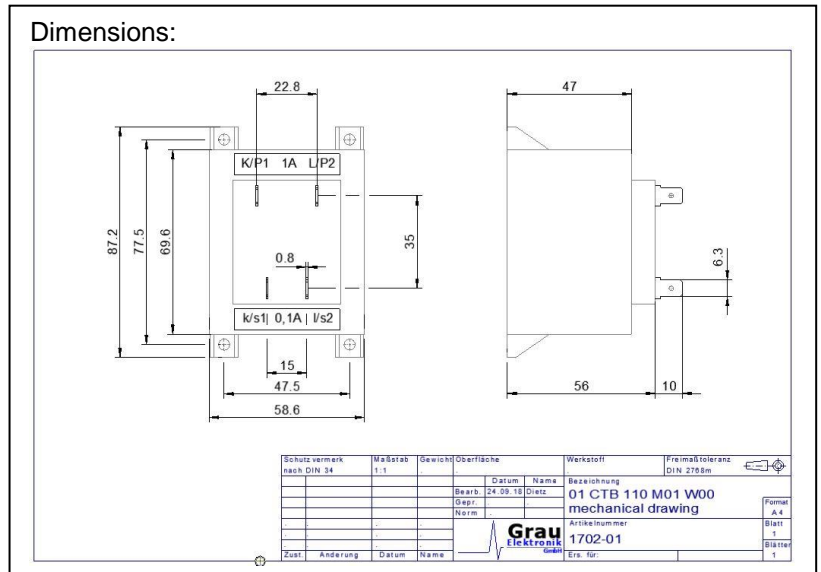
Current Transformer

01 CTB 110 M01 W00

1 VA

$I_{in} = 0 \dots 1A\sim$

$I_{out} = 0 \dots 0.1A\sim$



50 Hz Voltage Measurement Transformer

f = 50 Hz

I_{in}	N_I	N_{II}
Transfer ratio		
0 A~ ... 1A~	10	1

Design acc. ISO 9001: 2015

Input to Output Isolation Voltage: 3kV rms, 50Hz t = 1 minute type test, routine tests 10 sec. ramp voltage

Measurement accuracy: $\leq 1.0\%$ - $40^{\circ}C \leq T_A \leq +85^{\circ}C$,

Low magnetizing current and copper losses

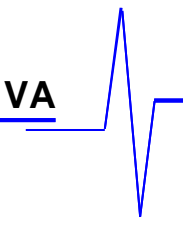
Low stray inductance: $\leq 1\% L_{nom}$

All transformers piece unit tested at factory in Karlsbad, Germany

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1 VA



SYMBOL	PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
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INPUT, OUTPUT						
I_{in}	Input current range		0	1		A~
TR	Transformation ratio $I_{in} I_{out}$		10 : 1			
V_{out}	Output voltage	At resistive burden 60Ω - 90Ω		6	9	V~
Load	Resistive burden	At resistive burden	40	60	90	Ω
f_{sw}	Frequency operation range		47	50	63	Hz
I_{out}	Output current			0.1		A
L_I	Primary inductance	$f = 10\text{kHz}$ measurement frequency	200	300	390	μH
L_{II}	Secondary inductance		1050	1500	1970	μH
ISOLATION						
	1minute @ type test	Input Output	3.0			kV _{ac}
	Ramp 2s - 6s - 2s @ piece unit test	Input Output		3.0		kV _{ac}
PROTECTION						
	Housing potted, plastic cover		IP 54			
	Tropical resistant					
Connecting	Input	cables				mm ²
	Output	Faston				mm ²
Weight				0.6		kg

AMBIENT CONDITIONS

$T_{Amb\ op}$	Operating temperature range	EN 50155 class Tx 10 min.	- 50 + 70		+ 85 + 85	°C °C
$T_{Storage}$	Storage temperature range		- 50		+ 100	°C
	Cooling		Free convection			
	Humidity	EN 50155, IEC 60571	75% averaged per year, 95% 30 days			
	Vibration / Shock	IEC 61373, IEC 68 – 2 - 27 Kat. I: 3 Shocks each Axis	50 m / s ² , 30 ms			
Referenced standards						
	EN 50155: 2016	EN 50124-1	EN 61373			
	EN 50163	EN 60529				

Attention: the transformer may be used only for ac applications. There is no self protection against DC overload at input terminals!