



T23CT - AC/ DC TRANSUDCER

- The Hallotron transducer is intended for continuous conversion of the effective DC and AC current into a standardized DC signal.
- The transducer's output signal is galvanically isolated from the input signal.
- The transducer is mounted directly on the busbar using mounting screws, on the wall or on a 35 mm DIN rail using additional fasteners.
- The transducer housing is made of plastic. The spring clamps allow connection of wires up to 2.5 mm².



APPLICATION EXAMPLE

Current measurement in electroplating



Galvanizing bath

Power line

INPUT



OUTPUT

0/4...20
mA

GALVANIC ISOLATION



TECHNICAL DATA

INPUT

Input type	Properties
Hole for bar conductor	Primary current In: 50, 100, 150, 200 or 300 A a.c./d.c. (according to the ordering code)

OUTPUT

Output type	Properties
Analog	1 output: 4...20 mA Load resistance $\leq 500 \Omega$. Response time 500 ms. Basic error 0.5 %.

EXTERNAL FEATURES

External dimensions	70 x 92 x 47 mm	otwór montażowy 92,5 x 92,5 mm
Busbar	30 x 10 mm	hole diameter: 28 mm
Weight	0.3 kg	
Protection degree	housing: IP65	terminals: IP40

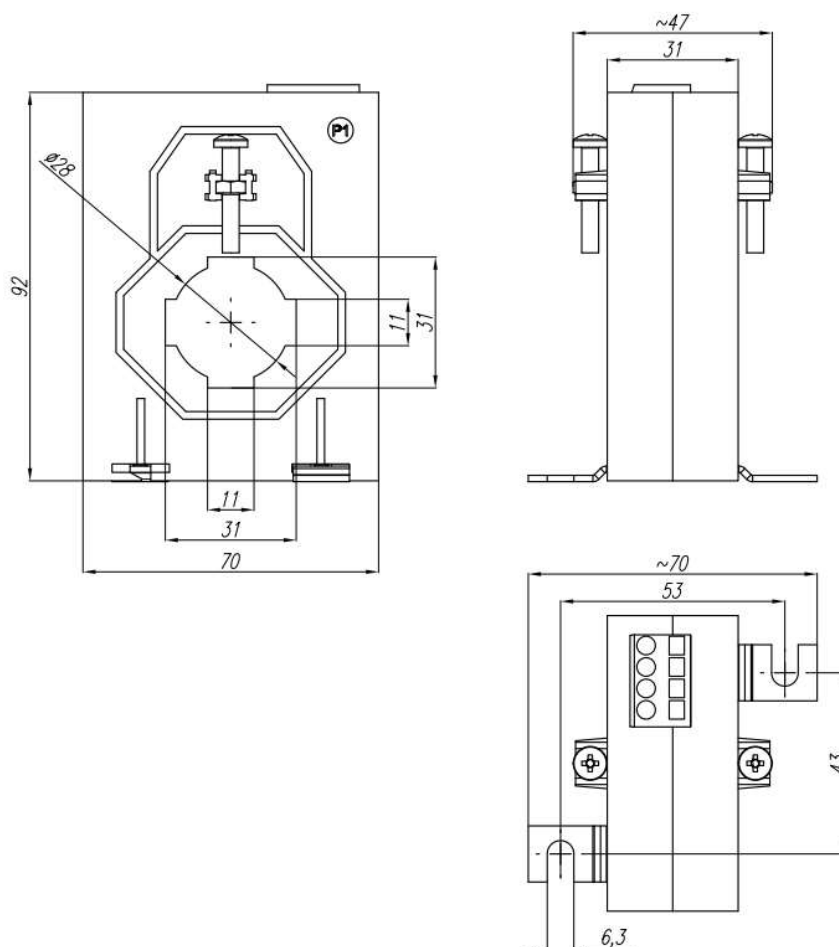
RATED OPERATION CONDITIONS

Supply voltage	24 V $\pm$ 20% d.c.	
Power consumption	in supply circuit: 5 W	in current circuit: ≤ 0.2 VA
Input signal	0 .. 0.1...1.2 I _n	frequency d.c. or 20...45...70 Hz; sinusoidal (THD $\leq 8\%$)
Warm-up time	15 min.	
Ambient temperature	-25 ..23...+55 °C, class K55 acc. to EN61557-12	
Storage temperature	-40 ...+70 °C	
Humidity	0...40...60...95%	unacceptable condensation
Operating position	any	
Zewnętrzne pole magnetyczne	0...40...400 A/m d.c.	3 A/m a.c. 50/60 Hz
Permissible power crest factor	2	
Additional errors in the% basic error	from changes in ambient temperature: $< 50\%$ / 10°C	for THD $> 8\%$: $< 50\%$

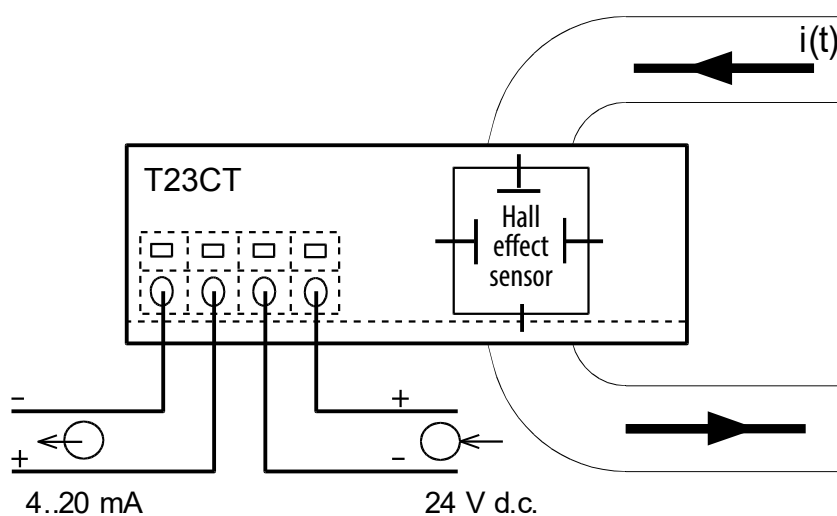
SAFETY AND COMPATIBILITY REQUIREMENTS

Electromagnetic compatibility	noise immunity	acc. to EN 61000-6-2
	noise emissions	acc. to EN 61000-6-4
Isolation between busbar and other circuits	double	acc. to EN 61010-1
Pollution level	2	acc. to EN 61010-1
Installation category	III	acc. to EN 61010-1
Maximal phase-to-earth voltage	- current busbar 600 V - for supply voltage and analog output: 50 V	acc. to EN 61010-1
Altitude above sea level	< 2000 m	

DIMENSIONAL DRAWING



CONNECTION DIAGRAM



ORDERING

Transducer T23CT -	X	X	XX	X	X
Primary current In [A]:					
50	1				
100	2				
150	3				
200	4				
300	5				
DIN rail mounting kit:					
without	0				
with	1				
Version:					
standard		00			
with a graphene sensor*		01			
Language:					
polish-english			M		
Acceptance tests:					
without extra requirements				0	
with an extra quality inspection certificate				1	
with a test certificate				2	

Order example:

The code: **T23CT-4 1 00 M 0** means:

T23CT - transducer T23CT

4 - primary current 200 A,

1 - with DIN rail mounting kit,

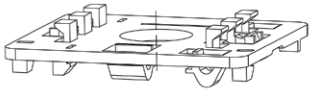
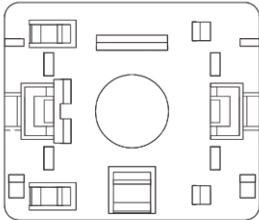
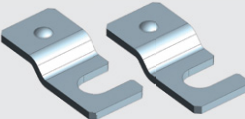
00 - standard version,

M - polish-english user's manual,

0 - without extra requirements.

* after agreeing with the manufacturer

ACCESSORIES:

ACCESSORIES			ORDERING CODE
DESCRIPTION	VIEW		
DIN rail mounting kit	 		LH000-0904-130-128
Busbar and wall mounting kit	   	Thread cutting screw 4 x 45mm Wall mounting clamp Swivel Shoe for self tapping M4 screw	LH000-0904-130-142



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