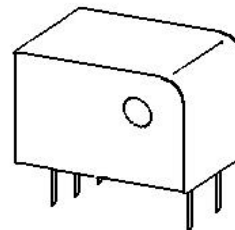


CURRENT TRANSDUCER BLYT5-CNP12C4

For the electronic measurement of AC current with a galvanic isolation between the primary circuit and secondary circuit.

$$I_{PN} = 5 A$$



Electrical data

I_{PN}	primary nominal current	5	A
I_P	primary current measuring range	120	%
I_{SN}	Secondary nominal current	@p=0: Is=0 @Ip=IpN: Is=20	mA
V_a	Auxiliary supply	DC12±3	V
I_C	Current consumption	3+Is	mA
V_d	R.m.s. voltage for DC isolation test 1 min	2	kV

Features:

- Insulated plastic case recognized according to UL94-V0
- Designed to comply with IEC 688

Advantages:

- Excellent Linearity
- Best ratio of feature and price
- Galvanic isolation between primary and secondary
- Wide Frequency bandwidth
- Auxiliary supply voltage indication

Accuracy-dynamic performance data

X_G	Accuracy($T_A=25^\circ C$)	±1.1	%
e_L	Linearity error	0.5	%
D_a	Variations due to auxiliary supply voltage	0.2	%
D_L	Variations due to output load	0.2	%
D_m	Variations due to magnetic field of external origin	0.2	%
I_{OT}	Thermal drift ($-10^\circ C \dots +70^\circ C$)	0.2	mA
t_r	Response time	350	ms
f	Frequency bandwidth	40~5K	Hz

Application:

- Automatic control
- measuring instrument
- monitoring
- Power station
- Railway signal system

General data

T_A	Ambient operating temperature	-10 .. +70	
T_S	Ambient storage temperature	-20 .. +80	
R_L	Loaded resistance	300	Ω
m	Mass	25	g
	Standarda	EN50178	

Option:

- Output: 0~5V DC
0~10mA DC

BJ-LEM



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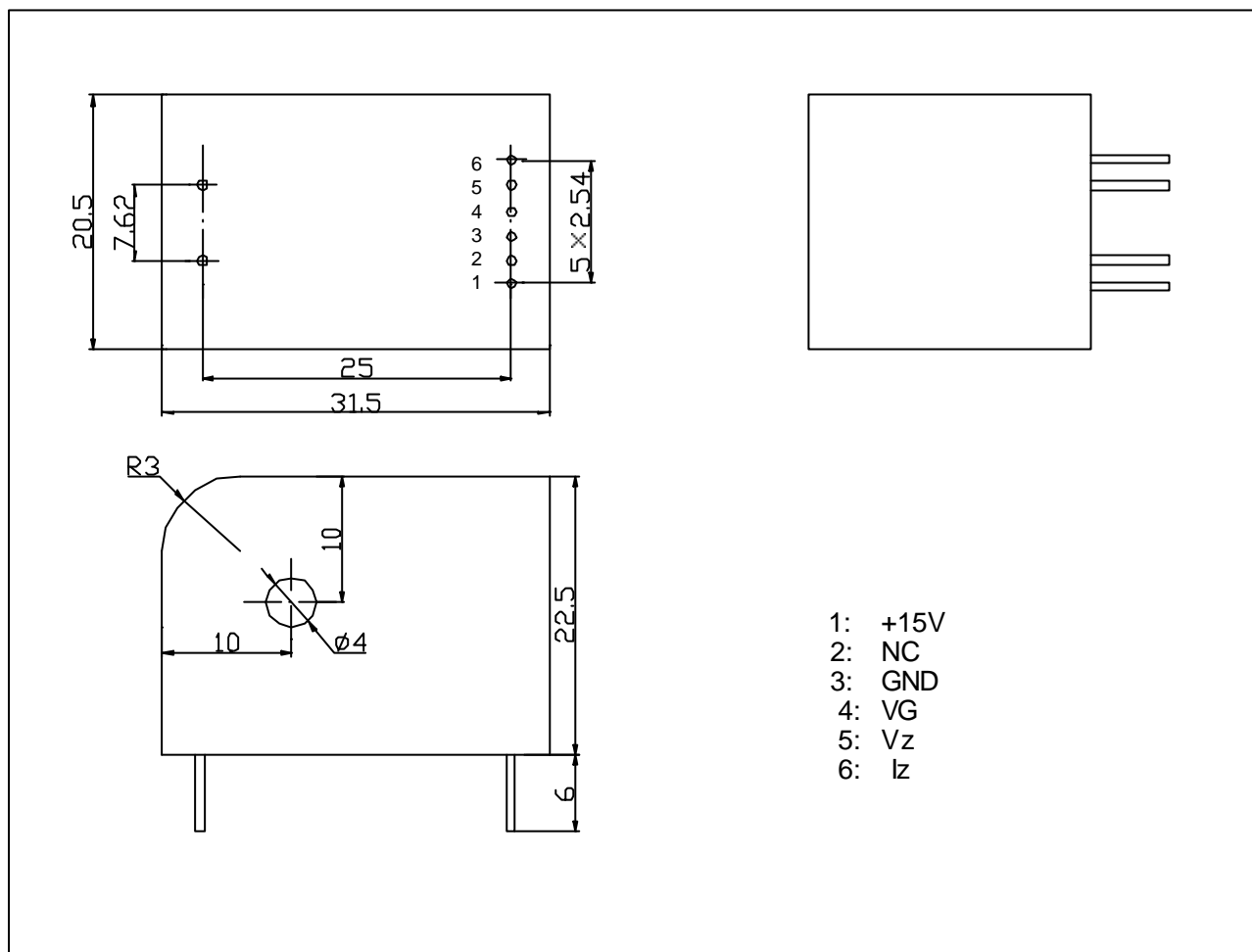


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Dimensions BLYT5-CNP12C4 (in mm. 1 mm = 0.0394 inch)



Mechanical characteristics

- General tolerance ± 0.5 mm
- Primary through-hole $\varnothing 4$ mm
- Mounting 8 holes $\varnothing 0.7$ pin
- Connection of secondary

Remarks

- Temperature of the primary conductor should not exceed 100