TA3238 Series Zero Sequence Current Transformer

LI136V2/2016

1．Features:

① It can measure the zero-sequence current in the system whose main circuit current is below 100A ;

② Fully enclosed, good mechanical and environmental resistance, strong voltage isolation capability, safe and reliable;

③ Soft line output, easy to use and flexible.

2．Ambient Conditions:

① Ambient temperature: -55℃～+85℃;

② Relative humidity: ≤90% at 40℃;

③ Atmospheric pressure: 860～1060mbar(about 650～800mmHg).

3．Operating Frequency Range: 20Hz~1kHz

4．Insulation Thermal Class： Class B (130°C)

5．Safety Features:

① Insulation resistance: >1000MΩ in normal condition;

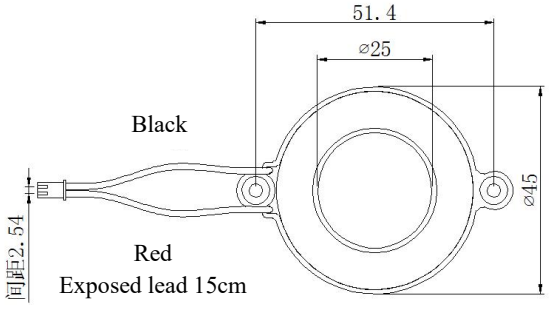
② Insulation withstand voltages: 6KV 50Hz/1min;

③ Fire retardancy: In conformity with UL94-V0.

6．Outline Drawing, Installation Dimension and Coil Diagram:(tolerance ± 0.5mm)

① Outline drawing and installation dimensions are shown in Figure 1 :

② The coil diagram is shown in Figure 2 :



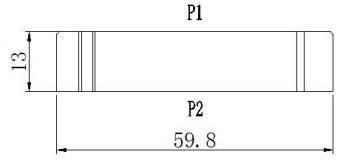
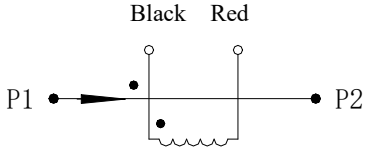


Fig 1



P_1, P_2 through hole primary wire

P_1 & Black are homophase terminals

Fig 2

7. Typical Application and Performance Parameters:

See the table below for the application performance parameters shown in Figure 3.

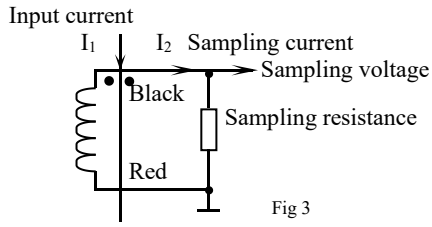


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance	Rated Sampling Voltage	phase Shift	Non-linearity	Linear Range
TA3238-01M	1A	1mA	100Ω	0.1V	≤60'	≤0.5%	≥2 times of the rated value
TA3238-02M	1A	0.5mA	400Ω	0.2V	≤60'	≤0.5%	

● Notes:

a . In practical applications, the sampling resistance should be less than or equal to the Rated value given in the above table, which will improve the nonlinearity and phase shift;

b . If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

8. Attention:

① The primary of the current transformer should be connected in series with the circuit being measured, and the secondary should work close to a short circuit condition.

② The secondary circuit of the current transformer should not be open-circuited. Therefore, please do not install fuses.

TA5765 Series Zero Sequence Current Transformer

LI137V2 /2016

1．Features:

① It can measure the zero-sequence current in the system whose main circuit current is below 250A;

② Fully enclosed, good mechanical and environmental resistance, strong voltage isolation capability, safe and reliable;

③ Soft line output, easy to use and flexible .

2．Ambient Conditions:

① Ambient temperature: -55℃～+85℃;

② Relative humidity: ≤90% at 40℃;

③ Atmospheric pressure: 860～1060mbar(about 650～800mmHg).

3．Operating Frequency Range: 20Hz~1kHz

4．Insulation Thermal Class： Class B (130°C)

5．Safety Features:

① Insulation resistance: >1000MΩ in normal condition;

② Insulation withstand voltages: 6KV 50Hz/1min;

③ Fire retardancy: In conformity with UL94-V0.

6．Outline Drawing, Installation Dimension and Coil Diagram:(tolerance ± 0.5mm)

① Outline drawing and installation dimensions are shown in Figure 1:

② The coil diagram is shown in Figure 2:

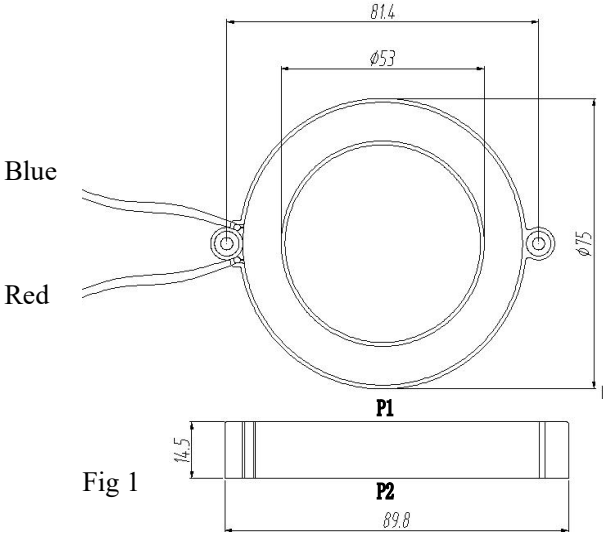
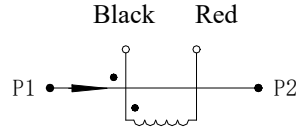


Fig 1



P_1, P_2 through hole primary wire
P_1 & Black are homophase terminals

Fig 2

7. Typical Application and Performance Parameters:

See the table below for the application performance parameters shown in Figure 3.

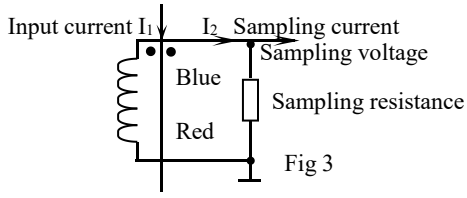


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range
TA5765-01M	1A	1mA	100Ω	0.1V	≤60'	≤0.5%	≥2 times of the rated value
TA5765-02M	1A	0.5mA	400Ω	0.2V	≤60'	≤0.5%	

● Notes:

a . In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;

b . If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

8. Attention:

① The primary of the current transformer should be connected in series with the circuit being measured, and the secondary should work close to a short circuit condition.

② The secondary circuit of the current transformer should not be open-circuited. Therefore, please do not install fuses.

TA7086 Series Vertical Core Type Zero-sequence AC Current Transformer

LI084V 3/20 16

1．Features:

① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;

② The output is in the form of flexible wires, which is convenient for wiring at the engineering site .

2．Ambient Conditions:

① Ambient temperature: -55℃～+85℃;

② Relative humidity: ≤90% at 40℃;

③ Atmospheric pressure: 860～1060mbar(about 650～800mmHg).

3．Operating Frequency Range: 20Hz~1kHz

4．Insulation Thermal Class： Class B (130°C)

5．Safety Features:

① Insulation resistance: >1000MΩ in normal condition;

② Insulation withstand voltages: 5KV 50Hz/1min;

③ Fire retardancy: In conformity with UL94-V0.

6．Outline Drawing, Installation Dimension and Coil Diagram:(tolerance ± 0.5mm)

① Outline drawing and installation dimensions are shown in Figure 1:

② The coil diagram is shown in Figure 2:

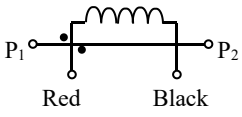


Fig 2

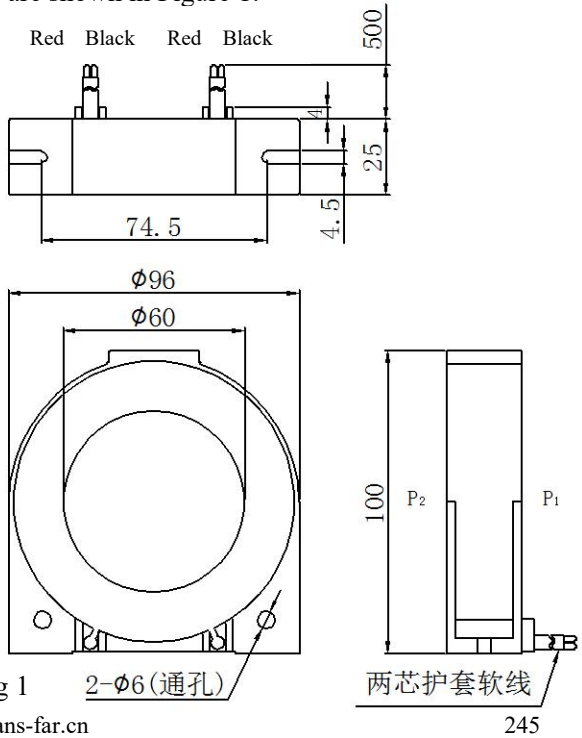


Fig 1

7. Typical Application and Performance Parameters:

See the table below for performance parameters in typical applications as shown in Figure 3 on the right:

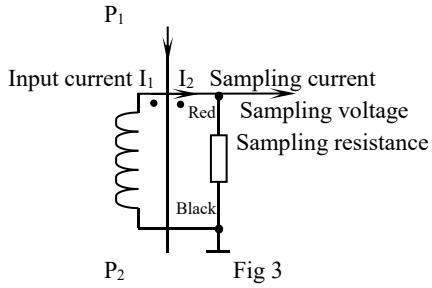


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range
TA7086-1M	20A	10mA	100Ω	1V	≤10'	≤0.1%	4 times of the rated value
TA7086-2M	30A	10mA	100Ω	1V	≤10'		

Note: This series of transformers is used for zero-sequence current protection. It is designed with a shielding layer. The length of the output lead can be customized according to customer requirements .

● Notes:

a. In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;

b. If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

8. Attention:

① The primary of the current transformer should be connected in series with the circuit being measured, and the secondary should work close to a short circuit condition.

② The secondary circuit of the current transformer should not be open-circuited. Therefore, please do not install fuses.

TA8595 Series Zero Sequence Current Transformer

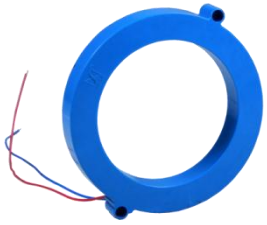
LI138V2 /2016

1. Features:

① It can measure the zero-sequence current in the system whose main circuit current is below 500A;

② Fully enclosed, good mechanical and environmental resistance, strong voltage isolation capability, safe and reliable;

③ Soft line output, easy to use and flexible .



2. Ambient Conditions:

① Ambient temperature: -55℃～+85℃;

② Relative humidity: ≤90% at 40℃;

③ Atmospheric pressure: 860～1060mbar(about 650～800mmHg).

3. Operating Frequency Range: 20Hz~1kHz

4. Insulation Thermal Class： Class B (130°C)

5. Safety Features:

① Insulation resistance: >1000MΩ in normal condition;

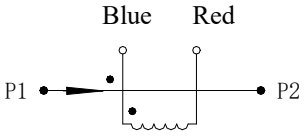
②Insulation withstand voltages: 6KV 50Hz/1min;

③ Fire retardancy: In conformity with UL94-V0.

6. Outline Drawing, Installation Dimension and Coil Diagram:(tolerance ± 1mm)

① Outline drawing and installation dimensions are shown in Figure 1 :

② The coil diagram is shown in Figure 2 :



P_1, P_2 through hole primary wire
P_1 & Blue are homophase terminals

Fig 2

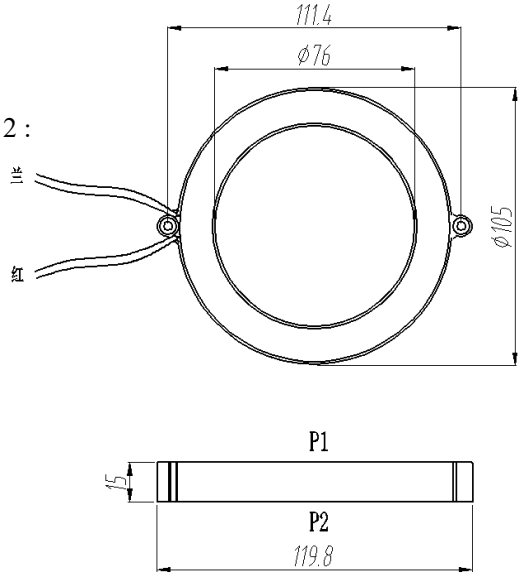


Fig 1

7. Typical application and performance parameters:

See the table below for the application performance parameters shown in Figure 3.

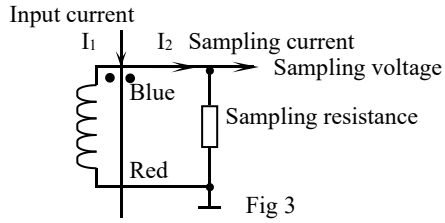


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range
TA8595-01M	1A	1mA	100Ω	0.1V	≤60'	≤0.5%	≥2 times of the rated value
TA8595-02M	1A	0.5mA	400Ω	0.2V	≤60'	≤0.5%	

● Notes:

a. In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;

b. If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

8. Attention:

① The primary of the current transformer should be connected in series with the circuit being measured, and the secondary should work close to a short circuit condition.

② The secondary circuit of the current transformer should not be open-circuited. Therefore, please do not install fuses.