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SEMIC TRADE

CSR

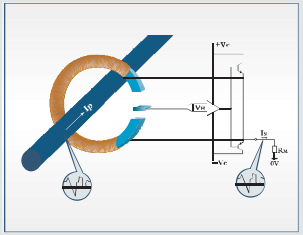
Transducer Catalogue

ZHUZHOU CSR TIMES ELECTRIC CO., LTD.

Contents

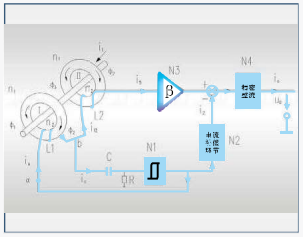
CE CCC RoHS UL

Current Transducer Working principle



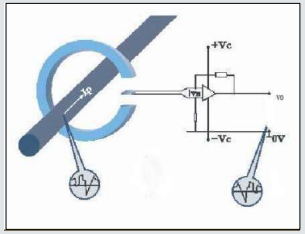
Closed Loop Hall Effect Current Transducer

The magnetic flux created by the primary current (Ip) is balanced by a complementary flux produced by driving a current (Is) through the secondary windings. A hall device and associated electronic circuit are used to generate the secondary (compensating) current (Is) that is an exact representation of the primary current.



Magnetic field modulation current transducer

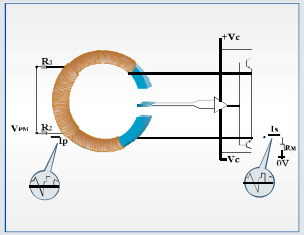
The high permeability core of Magnetic field modulation current transducer excited by square-wave voltage represents alternate saturation phenomenon。This magnetic effect can modulate the magnetic field created by the primary current. And then the modulated signal is transmitted to the secondary windings by a ratio of Ampere-turns . The secondary current is an exact representation of the primary current.



Open Loop Hall Effect Current Transducer

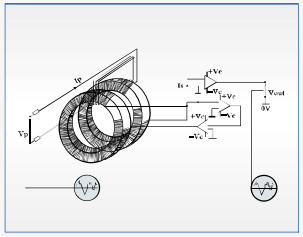
The magnetic flux created by the primary current (Ip) is concentrated in a magnetic circuit and measured in the air gap using a Hall device. The output from the Hall device is then signal conditioned to provide an exact representation of the primary current at the output.

Voltage Transducer Working principle



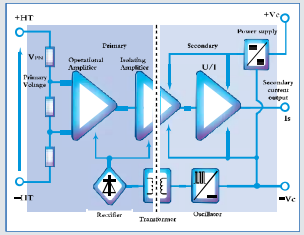
Closed Loop Hall Effect Voltage Transducer

The primary current (Ip) limited by a series resistor is taken from the voltage (Vp) to be measured and is driven through the primary coil. The magnetic flux created by the primary current (Ip) is balanced by a complementary flux produced by driving a current (Is) through the secondary windings. A hall device and associated electronic circuit are used to generate the secondary (compensating) current (Is) that is an exact representation of the primary voltage.



Magnetic Field Modulation Voltage Transducer

The high permeability core of Magnetic field modulation voltage transducer excited by square-wave voltage represents alternate saturation phenomenon。This magnetic effect can modulate the magnetic field created by the primary voltage. And then the modulated signal is transmitted to the secondary windings by a ratio of Ampere-turns . The secondary current is an exact representation of the primary voltage.



Isolated Amplification Voltage Transducer

Measuring voltage is directly applied on the primary connections through an internal resistor network and some components allowing the differential input signal to feed an isolation amplifier. An isolated signal is recovered and conditioned to supply a current by V/I, which is an exact representation of the primary voltage.

6A~50A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
6A	NACL.6T-P6/SP1V	NT6-P	6A	2.5V±0.625V	0~±19.2A	/	≤±0.7%	≤0.1%	≤2.5V±0.025V			Magnetic Balance	+5×(1±5%)V	≤400ns	3kV/50Hz/1min	-40℃~+85℃		39/Fig. (1)
15A	NACL.15T-P6/SP1V	NT15-P	15A	2.5V±0.625V	0~±48A	/	≤±0.7%	≤0.1%	≤2.5V±0.025V			Magnetic Balance	+5×(1±5%)V	≤400ns	3kV/50Hz/1min	-40℃~+85℃		39/Fig. (1)
25A	NACL.25T-P6/SP1V	NT25-P	25A	2.5V±0.625V	0~±80A	/	≤±0.7%	≤0.1%	≤2.5V±0.025V			Magnetic Balance	+5×(1±5%)V	≤400ns	3kV/50Hz/1min	-40℃~+85℃		39/Fig. (1)
	NACL.25M-P6	NA25-P	25A	25mA	0~±36A	1-2-3-4-5:1000	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±15×(1±5%)V	≤1us	2.5kV/50Hz/1min	-40℃~+85℃		39/Fig. (2)
	NACL.25N-P6	NA25A-P	25A	25mA	0~±90A	1-2-3-4:1000	≤±0.5%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	3kV/50Hz/1min	-40℃~+85℃		39/Fig. (3)
50A	NACL.50P-S6	NA50-P	50A	50mA	0~±70A	1：1000	≤±0.7%	≤0.2%	≤±0.2mA			Straight Amplification	±(12~15)×(1±5%)V	≤1us	2.5kV/50Hz/1min	-25℃~+85℃		40/Fig. (4)
	NACL.50P-S6/SP1	NA50-P/SP1	50A	25mA	0~±100A	1：2000	≤±0.65%	≤0.2%	≤±0.1mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	2.5kV/50Hz/1min	-25℃~+85℃		40/Fig. (4)
	NACL.50R-S5	NT58-S	50A	50mA	0~±70A	1：1000	≤±0.8%	≤0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-45℃~+85℃		40/Fig. (5)
	NACL.50R-T5	NT58-T																
	NACL.50R-S5/SP1	NT58-S/SP1	50A	50mA	0~±70A	1：1000	≤±0.8%	≤0.1%	≤±0.1mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃		40/Fig. (6)
	NACL.50R-T5/SP1	NT58-T/SP1																
	NACL.50R-S5/SP2	NT58-S/SP4	50A	50mA	0~±70A	1：1000	≤±0.8%	≤0.1%	≤±0.1mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃		41/Fig. (7)
	NACL.50R-T5/SP2	NT58-T/SP4																
	NACF.50C-S5/V	NCA1C-50A	50A	4V	0~±150A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		41/Fig. (8)
	NACF.50C-S5/SP3V	NCA1C-50A/SP5	50A	(2.5±0.5)×(I/In)V	0~±150A	/	≤±2%	≤1%	≤±10mV			Straight Amplification	+5×(1±5%)V	≤5us	3kV/50Hz/1min	-10℃~+80℃		41/Fig. (9)
	NACF.50C-S5/SP6V	/	50A	4V	0~±150A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		68/Fig. (90)
	NACF.50C-S5/SP4V	NCA1C-50A/SP7	50A	4V	0~±150A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (10)

"●" UL in certification

50A~125A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
50A	NACF.50C-S5/SP5V	NCA1C-50A/SP10	50A	4V	0～±150A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (11)
100A	NACL.100P-S6	NA100-P	100A	50mA	0～±150A	1：2000	≤±0.7%	≤0.2%	≤±0.1mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	2.5kV/50Hz/1min	-40℃~+85℃	●	40/Fig. (4)
	NACL.100P-P6	NA100-TP	100A	50mA	0～±150A	1：2000	≤±0.7%	≤0.2%	≤±0.1mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	2.5kV/50Hz/1min	-40℃~+85℃	●	42/Fig. (12)
	NACL.100K-P6	NT100-P	100A	100mA	0～±150A	1：1000	≤±1%	≤0.1%	≤±0.4mA			Magnetic Balance	±15×(1±5%)V	≤1us	5kV/50Hz/1min	-25℃~70℃		43/Fig. (13)
	NACL.100H1-S2/SP2	NT100-S/SP5	100A	100mA	0～±200A	1：1000	≤±0.5%	≤0.1%	≤±0.4mA			Magnetic Balance	±(12~18)×(1±10%)V	≤1us	6kV/50Hz/1min	-25℃~+70℃		43/Fig. (14)
	NACL.100H1-T2/SP2	NT100-T/SP5																
	NACL.100R-S5	NT108-S	100A	50mA	0～±150A	1：2000	≤±0.6%	≤0.1%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-45℃~+85℃	●	40/Fig. (5)
	NACL.100R-T5	NT108-T																
	NACL.100R-S5/SP1	NT108-S/SP1	100A	50mA	0～±150A	1：2000	≤±0.6%	≤0.1%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃	●	40/Fig. (6)
	NACL.100R-T5/SP1	NT108-T/SP1																
	NACL.100R-S5/SP2	NT108-S/SP4	100A	50mA	0～±150A	1：2000	≤±0.6%	≤0.1%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃	●	41/Fig. (7)
	NACL.100R-T5/SP2	NT108-T/SP4																
	NACF.100C-S5/V	NCA1C-100A	100A	4V	0～±300A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		41/Fig. (8)
	NACF.100C-S5/SP3V	NCA1C-100A/SP5	100A	(2.5±0.5)V/(3±1)V	0～±300A	/	≤±2%	≤1%	≤±10mV			Straight Amplification	±5×(1±5%)V	≤5us	3kV/50Hz/1min	-10℃~+80℃		41/Fig. (9)
	NACF.100C-S5/SP4V	NCA1C-100A/SP7	100A	4V	0～±300A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (10)
	NACF.100C-S5/SP5V	NCA1C-100A/SP10	100A	4V	0～±300A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (11)
	NACF.100C-S5/SP6V	/	100A	4V	0～±300A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃	UL	68/Fig. (90)
125A	NACL.125P1-S6	NA125-P	125A	100mA	0～±200A	1：1000	≤±0.8%	≤0.15%	≤±0.4mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	3kV/50Hz/1min	-25℃~+85℃	●	43/Fig. (15)
	NACL.125P-S6/SP3	/	125A	200mA	125mA	1：1000	≤±0.5%	≤0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤0.5us	3kV/50Hz/1min	-40℃~+85℃	●	65/Fig. (79)

" ● " UL in certification

150A~300A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
200A	NACL.200H2-S2	TT200-S	200A	100mA	0～±300A	1：2000	≤±1%	≤ 0.1%	≤±0.25mA			Magnetic Balance	±(12~18)×(1±10%)V	≤1us	6kV/50Hz/1min	-25℃~+70℃		44/Fig. (16)
	NACL.200H2-T2	TT200-T																
	NACL.200R-S5/SP1	NT208-S/SP1	200A	100mA	0～±300A	1：2000	≤±0.5%	≤ 0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃	●	40/Fig. (6)
	NACL.200R-T5/SP1	NT208-T/SP1																
	NACL.200P1-S6	NA200-P	200A	100mA	0～±300A	1：2000	≤±0.6%	≤ 0.15%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	3kV/50Hz/1min	-25℃~+85℃	●	43/Fig. (15)
	NACL.200R-S5/SP3	NT208-S/SP5	200A	100mA	0～±300A	1：2000	≤±0.5%	≤ 0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃	●	44/Fig. (17)
	NACF.200C-S5/V	NCA1C-200A	200A	4V	0～±600A	/	≤±1%	≤ 1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		41/Fig. (8)
	NACF.200C-S5/SP3V	NCA1C-200A/SP5	200A	(2.5±0.5Ip/In)V	0～±600A	/	≤±2%	≤ 1%	≤±10mV			Straight Amplification	+5×(1±5%)V	≤5us	3kV/50Hz/1min	-10℃~+80℃		41/Fig. (9)
	NACF.200C-S5/SP4V	NCA1C-200A/SP7	200A	4V	0～±600A	/	≤±1%	≤ 1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (10)
	NACF.200C-S5/SP5V	NCA1C-200A/SP10	200A	4V	0～±600A	/	≤±1%	≤ 1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (11)
	NACF.200E-S2/V	NCA1E-200A	200A	+10V	/	/	≤±1%	≤ 1%	≤±50mV			Straight Amplification	+24×(1±10%)V	≤10us	6kV/50Hz/1min	-25℃~+70℃		44/Fig. (18)
	NACL.200B4-S5	/	200A	100mA	0～±450A	1：2000	≤±0.5%	≤ 0.1%	≤±0.2mA			Straight Amplification	±(12~15)×(1±5%)V	≤1us	3.5kV/50Hz/1min	-40℃~+85℃	●	65/Fig. (80)
	NACL.200B4-S5/SP1	/	200A	100mA	0～±450A	1：2000	≤±0.5%	≤ 0.1%	≤±0.2mA			Straight Amplification	±(12~15)×(1±5%)V	≤1us	3.5kV/50Hz/1min	-40℃~+85℃	●	68/Fig. (88)
	NACF.200C-S5/SP6V	/	200A	4V	0～±600A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃	●	68/Fig. (90)
	NACF.200H1-S5/V	/	200A	4V	0～±400A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤7us	6kV/50Hz/1min	-40℃~+85℃	●	67/Fig. (85)
300A	NACL.300H2-S2	NT300-S	300A	150mA	0～±500A	1：2000	≤±1%	≤ 0.1%	≤±0.25mA			Magnetic Balance	±(12~18)×(1±10%)V	≤1us	6kV/50Hz/1min	-25℃~+70℃		45/Fig. (20)
	NACL.300H2-T2	NT300-T																
	NACL.300R-S5	NT308-S	300A	150mA	0～±500A	1：2000	≤±0.5%	≤0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃	●	40/Fig. (5)
	NACL.300R-T5	NT308-T																

" ● " UL in certification

300A~400A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
300A	NACL.300L-S1	NA305-S	300A	120mA	0～±500A	1：2500	≤±0.8%	≤ 0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤ 1us	6kV/50Hz/1min	-40℃~+85℃		41/Fig. (19)
	NACL.300R-S5/SP1	NT308-S/SP1	300A	150mA	0～±500A	1：2000	≤±0.5%	≤0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃	●	40/Fig. (6)
	NACL.300R-T5/SP1	NT308-T/SP1																
	NACL.300R-S5/SP2	NT308-S/SP4	300A	150mA	0～±500A	1：2000	≤±0.5%	≤0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃	●	41/Fig. (7)
	NACL.300R-T5/SP2	NT308-T/SP4																
	NACL.300R-S5/SP3	NT308-S/SP5	300A	150mA	0～±500A	1：2000	≤±0.5%	≤0.1%	≤±0.2mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃		44/Fig. (17)
	NACF.300C-S5/V	NCA1C-300A	300A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		41/Fig. (8)
	NACF.300C-S5/SP3V	NCA1C-300A/SP5	300A	(2.5±0.5)V/(-)V	0～±900A	/	≤±2%	≤1%	≤±10mV			Straight Amplification	+5×(1±5%)V	≤5us	3kV/50Hz/1min	-10℃~+80℃		41/Fig. (9)
	NACF.300C-S5/SP4V	NCA1C-300A/SP7	300A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (10)
	NACF.300C-S5/SP5V	NCA1C-300A/SP10	300A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (11)
	NACF.300C-S5/SP6V	/	300A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃	UL	68/Fig. (90)
	NACL.300B3-S5/SP1	/	300A	150mA	0～±500A	1：2000	≤±0.5%	≤0.2%	≤±0.2mA			Magnetic Balance	±(12~±15)×(1±5%)V	≤1us	3kV/50Hz/1min	-40℃~+85℃	●	65/Fig. (81)
	NACL.300B3-S5	/	300A	150mA	0～±500A	1：2000	≤±0.5%	≤0.2%	≤±0.2mA			Magnetic Balance	±(12~±15)×(1±5%)V	≤1us	3kV/50Hz/1min	-40℃~+85℃	●	65/Fig. (80)
	NACL.300R1-S5/SP2	/	300A	100mA	0～±500A	1：3000	≤±0.4%	≤0.2%	≤±0.13mA			Magnetic Balance	±(15~18)×(1±5%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃	●	48/Fig. (29)
366A	NACL.366U-S5	/	366A	183mA	0～±500A	1：2000	≤±0.5%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±10%)V	≤1us	3kV/50Hz/1min	-40℃~+85℃		64/Fig. (78)
400A	NACF.400C-S5/SP6V	/	400A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃	UL	68/Fig. (90)
	NACL.400H2-S2/SP1	NT400-S/SP1	400A	200mA	0～±800A	1：2000	≤±0.5%	≤0.1%	≤±0.25mA			Straight Amplification	±(12~18)×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+70℃		45/Fig. (21)
	NACL.400H2-T2/SP1	NT400-T/SP1																
	NACL.400H2-S2	NT400-S	400A	200mA	0～±800A	1：2000	≤±1%	≤0.1%	≤±0.25mA			Magnetic Balance	±(12~18)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+70℃		46/Fig. (22)
	NACL.400H2-T2	NT400-T																
	NACF.400C-S5/V	NCA1C-400A	400A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		41/Fig. (8)
	NACF.400C-S5/SP3V	NCA1C-400A/SP5	400A	(2.5±0.5)V/(-)V	0～±900A	/	≤±2%	≤1%	≤±10mV			Straight Amplification	+5×(1±5%)V	≤5us	3kV/50Hz/1min	-10℃~+80℃		41/Fig. (9)

" ● " UL in certification

500A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
400A	NACF.400C-S5/SP4V	NCA1C-400A/SP7	400A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (10)
	NACF.400C-S5/SP5V	NCA1C-400A/SP10	400A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (11)
	NACF.400H1-S5/V	/	400A	4V	0～±800A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤7us	6kV/50Hz/1min	-40℃~+85℃		67/Fig. (85)
500A	NACL.500H-S1	NT500-S	500A	100mA	0～±800A	1：5000	≤±1%	≤0.2%	≤±0.25mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	6kV/50Hz/1min	0℃~+70℃		46/Fig. (23)
	NACL.500H-T1	NT500-T																
	NACL.500H4-T2	NT500-T/SP2	500A	100mA	0～±800A	1：5000	≤±1%	≤0.1%	≤±0.25mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	7kV/50Hz/1min	-25℃~+70℃		46/Fig. (24)
	NACL.500L-S1	NA505-S	500A	142.8mA	0～±1000A	1：3500	≤±0.8%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		47/Fig. (25)
	NACL.500L-S5	NA505-S/SP3	500A	250mA	0～±800A	1：2000	≤±0.8%	≤0.1%	≤±0.25mA			Magnetic Balance	±(12~15)×(1±5%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		47/Fig. (26)
	NACL.500J-S /SP1	NT500A-S	500A	100mA	0～±1500A	1：5000	≤±0.7%	≤0.1%	≤±0.5mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	13.4kV/50Hz/1min	-40℃~+85℃		47/Fig. (27)
	NACL.500Q-S	NT500C-S	500A	100mA	0～±1500A	1：5000	≤±0.7%	≤0.1%	≤±0.5mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	13.4kV/50Hz/1min	-40℃~+85℃		48/Fig. (28)
	NACL.500R1-S5/SP2	NT508-S/SP2	500A	100mA	0～±800A	1：5000	≤±0.4%	≤0.1%	≤±0.13mA			Magnetic Balance	±(15~18)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+70℃		48/Fig. (29)
	NACF.500C-S5/V	NCA1C-500A	500A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		41/Fig. (8)
	NACF.500C-S5/SP3V	NCA1C-500A/SP5	500A	2.5±(0.5Ir/In)V	0～±900A	/	≤±2%	≤1%	≤±10mV			Straight Amplification	+5×(1±5%)V	≤5us	3kV/50Hz/1min	-10℃~+80℃		41/Fig. (9)
	NACF.500C-S5/SP4V	NCA1C-500A/SP7	500A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (10)
	NACF.500C-S5/SP5V	NCA1C-500A/SP10	500A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (11)
	NACF.500J-S5/V	NCA1J-500A	500A	4V	0～±1500A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		48/Fig. (30)
	NACF.500J1-S5/V	NCA1J-500A/SP1	500A	4V	0～±1500A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		49/Fig. (31)
	NACF.500N-S1/V	NCA1N-500A	500A	10V	0～±550A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤25us	3.5kV/50Hz/1min	-40℃~+85℃		49/Fig. (33)
	NACF.500J1-S5/SP1VM	/	500A	4V	0～±1500A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+105℃		64/Fig. (77)

" ● " UL in certification

500A~1000A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
500A	NACF.500P-S5/V	NCA1P-500A	500A	4V	0～±1000A	/	≤±2%	≤1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	≤10us	3kV/50Hz/1min	-40℃~+85℃		49/Fig. (32)
	NACL.500B2-S4	/	500A	125mA	0～±800A	1：4000	≤±0.6%	≤0.1%	≤±0.5mA			Magnetic Balance	±15×(1±5%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		66/Fig. (82)
	NACL.500B2-S5	/	500A	100 mA	0～±1300A	1：5000	≤±0.6%	≤0.1%	≤±0.4 mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+85℃		66/Fig. (83)
	NACL.500B2-S5/SP1	/	500A	100 mA	0～±1300A	1：5000	≤±0.6%	≤0.1%	≤±0.4 mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		66/Fig. (84)
	NACF.500C-S5/SP6V	/	500A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃	UL	68/Fig. (90)
600A	NACF.600C-S5/V	NCA1C-600A	600A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		41/Fig. (8)
	NACF.600C-S5/SP3V	NCA1C-600A/SP5	600A	(2.5±0.5)V/(-)V	0～±900A	/	≤±2%	≤1%	≤±10mV			Straight Amplification	±5×(1±5%)V	≤5us	3kV/50Hz/1min	-10℃~+80℃		41/Fig. (9)
	NACF.600C-S5/SP4V	NCA1C-600A/SP7	600A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (10)
	NACF.600H1-S5/V	/	600A	4V	0～±1200A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤7us	6kV/50Hz/1min	-40℃~+85℃	●	67/Fig. (85)
	NACF.600C-S5/SP5V	NCA1C-600A/SP10	600A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃		42/Fig. (11)
	NACF.600J-S5/V	NCA1J-600A	600A	4V	0～±1800A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃	UL	48Fig. (30)
	NACF.600J1-S5/SP1VM	/	600A	4V	0～±1800A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+105℃	●	64/Fig. (77)
	NACF.600C-S5/SP6V	/	600A	4V	0～±900A	/	≤±1%	≤1%	≤±40mV			Straight Amplification	±15×(1±5%)V	≤3us	3kV/50Hz/1min	-40℃~+85℃	UL	68/Fig. (90)
700A	NACL.700E3-T5	NA700-T	700A	140mA	0～±1500A	1：5000	≤±1%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	7kV/50Hz/1min	-25℃~+70℃		50/Fig. (34)
800A	NACF.800J1-S5/V	NCA1J-800A/SP1	800A	4V	0～±2400A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃	UL	49/Fig. (31)
	NACF.800P-S5/V	NCA1P-800A	800A	4V	0～±1600A	/	≤±2%	≤1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	≤10us	3kV/50Hz/1min	-40℃~+85℃		49/Fig. (32)
	NACF.800J1-S5/SP1VM	/	800A	4V	0～±2400A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+105℃	●	64/Fig. (77)
	NACF.800H1-S5/V	/	800A	4V	0～±1600A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤7us	6kV/50Hz/1min	-40℃~+85℃	●	67/Fig. (85)

" ● " UL in certification

1000A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
850A	NACF.850J-S5/V	NCA1J-850A	850A	4V	0～±2550A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		48/Fig. (30)
1000A	NACL.1000-S4	NT1005-S/SP3	1000A	200mA	0～±2400A	1：5000	≤±0.4%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	12kV/50Hz/1min	-40℃~+85℃		51/Fig. (37)
	NACL.1000-T4	NT1005-T/SP3																
	NACL.1000-S2/SP1	NT1005-S/SP4	1000A	250mA	0～±2800A	1：4000	≤±0.4%	≤0.1%	≤±0.5mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	7kV/50Hz/1min	-40℃~+85℃		52/Fig. (38)
	NACL.1000-T2/SP1	NT1005-T/SP4																
	NACL.1000F-S2	NT1000-SI	1000A	200mA	0～±1500A	1：5000	≤±1%	≤0.1%	≤±0.25mA			Magnetic Balance	±15×(1±5%)V	≤1us	6kV/50Hz/1min	-25℃~+70℃		55/Fig. (49)
	NACL.1000F-T2	NT1000-TI																
	NACL.1000B-S1	NT1000D-S/SP1	1000A	200mA	0～±2100A	1：5000	≤±0.4%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		52/Fig. (41)
	NACL.1000B-S5/SP1	CLA1000B-S/SP5	1000A	333.33mA	0～±2100A	1：3000	≤±0.4%	≤0.1%	≤±0.6mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		52/Fig. (42)
	NACL.1000B-S5/SP2	CLA1000B-S/SP50	1000A	200mA	0～±2100A	1：5000	≤±0.4%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		53/Fig. (43)
	NACL.1000Q-S5	NT1000C-S	1000A	250mA	0～±3000A	1：4000	≤±0.6%	≤0.1%	≤±0.5mA			Magnetic Balance	±24×(1±20%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		53/Fig. (44)
	NACL.1000Q-S3	NT1000C-S/SP2	1000A	200mA	0～±2400A	1：5000	≤±0.4%	≤0.1%	≤±0.5mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	13.4kV/50Hz/1min	-40℃~+85℃		53/Fig. (45)
	NACL.1000Q-S1	NT1000C-S/SP3	1000A	200mA	0～±2400A	1：5000	≤±0.4%	≤0.1%	≤±0.5mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	13.4kV/50Hz/1min	-40℃~+85℃		54/Fig. (46)
	NACL.1000Q-S5/SP1	NT1000C-S/SP1	1000A	250mA	0～±3000A	1：4000	≤±0.6%	≤0.1%	≤±0.5mA			Magnetic Balance	±24×(1±20%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		54/Fig. (47)
	NACL.1000F-S1	NT1000-S	1000A	250mA	0～±3000A	1：4000	≤±0.5%	≤0.1%	≤±0.5mA			Magnetic Balance	±24×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		54/Fig. (48)
	NACL.1000B-S5	NT1000D-S	1000A	200mA	0～±2100A	1：5000	≤±0.4%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		52/Fig. (42)
	NACL.1000J-S3	NT1000A-S/SP1	1000A	200mA	0～±2400A	1：5000	≤±0.4%	≤0.1%	≤±0.5mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	12kV/50Hz/1min	-40℃~+85℃		55/Fig. (50)
	NACL.1000E-T5	NA1000-T	1000A	200mA	0～±1500A	1：5000	≤±1%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤0.5us	7kV/50Hz/1min	-40℃~+85℃		55/Fig. (51)
	NACF.1000J1-S5/SP1VM	/	1000A	4V	0～±2500A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+105℃	●	64/Fig. (77)
	NACF.1000H1-S5/V	/	1000A	4V	0～±2000A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤7us	6kV/50Hz/1min	-40℃~+85℃	●	67/Fig. (85)

" ● " UL in certification

1000A~1500A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
1000A	NACL.1000-S1	NT1005-S	1000A	250mA	0～±2500A	1：4000	＜±0.4%	≤0.1%	＜±0.5mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	12kV/50Hz/1min	-40℃~+85℃		50/Fig. (35)
	NACL.1000-T1	NT1005-T																
	NACL.1000-S1/SP1	NT1005-S/SP1	1000A	200mA	0～±2000A	1：5000	＜±0.4%	≤0.1%	＜±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	7kV/50Hz/1min	-40℃~+85℃		50/Fig. (35)
	NACL.1000-T1/SP1	NT1005-T/SP1																
	NACL.1000-S2	NT1005-S/SP2	1000A	200mA	0～±2000A	1：5000	≤±0.4%	≤0.1%	＜±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	＜1us	7kV/50Hz/1min	-40℃~+85℃		51/Fig. (37)
	NACL.1000-T2	NT1005-T/SP2																
	NACF.1000B-S5/SP1V	NCA1B-1000A/SP1	1000A	10V	/	/	＜±2%	≤1%	≤±15mV			Straight Amplification	±15×(1±5%)V	≤100us	500V/50Hz/1min	-25℃~+70℃		56/Fig. (52)
	NACF.1000J-S5/V	NCA1J-1000A	1000A	4V	0～±3000A	/	＜±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		48/Fig. (30)
	NEW NACL.1000B-S1/SP1	CLA1000B-S/SP11	1000A	250mA	0～±1800A	1：4000	≤±0.4%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	＜1us	6kV/50Hz/1min	-40℃~+85℃		52/Fig. (41)
	NEW NACL.1000B-S1/SP2	CLA1000B-S/SP10	1000A	200mA	0～±2100A	1：5000	≤±0.4%	≤0.1%	＜±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		67/Fig. (86)
	NACF.1000J1-S5/V	NCA1J-1000A/SP1	1000A	4V	0～±2500A	/	＜±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		49/Fig. (31)
	NACF.1000P-S5/V	NCA1P-1000A	1000A	4V	0～±2000A	/	＜±2%	＜1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	＜10us	3kV/50Hz/1min	-40℃~+85℃		49/Fig. (32)
	NACF.1000P1-S5/V	NCA1Q-1000A	1000A	4V	0～±2000A	/	＜±2%	＜1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	≤10us	6kV/50Hz/1min	-40℃~+85℃		56/Fig. (53)
1125A	NACT.1125-T5	NCA5-1000A	2×1125A	/	2×4500A	/	/	/	/			Magnetic Balance	±24×(1±5%)V	/	6kV/50Hz/1min	-25℃~+70℃		56/Fig. (54)
	NACT.1125-T5/SP1	NCA5-1000A/SP1	2×1125A	/	2×4500A	/	/	/	/			Magnetic Balance	±24×(1±5%)V	/	6kV/50Hz/1min	-25℃~+70℃		57/Fig. (55)
	NACT.1125-T5/SP2	NCA5-1000A/SP2	2×1125A	/	2×4500A	/	/	/	/			Magnetic Balance	±24×(1±5%)V	/	6kV/50Hz/1min	-25℃~+70℃		57/Fig. (55)
1200A	NACL.1200G-S1	NT1200-S	1200A	300mA	0～±3000A	1：4000	＜±0.2%	≤0.1%	＜±0.5mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	10kV/50Hz/1min	-25℃~+70℃		57/Fig. (56)
	NACL.1200G-S1/SP1	NT1200-S/SP1	1200A	300mA	0～±3000A	1：4000	＜±0.2%	≤0.1%	＜±0.5mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	10kV/50Hz/1min	-25℃~+70℃		57/Fig. (57)
	NACF.1200J-S5/V	NCA1J-1200A	1200A	4V	0～±3600A	/	≤±1%	＜1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		48/Fig. (30)
	NACF.1200J1-S5/V	NCA1J-1200A/SP1	1200A	4V	0～±2500A	/	≤±1%	＜1%	＜±20mV			Straight Amplification	±15×(1±5%)V	＜5us	5kV/50Hz/1min	-40℃~+85℃		49/Fig. (31)

" ● " UL in certification

1500A~2000A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
1200A	NACF.1200J1-S5/SP1VM	/	1200A	4V	0～±2500A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+105℃		64/Fig. (77)
1500A	NACL.1500E1-T2	NA1500-T	1500A	300mA	0～±3000A	1：5000	≤±1%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	12kV/50Hz/1min	-25℃~+70℃		58/Fig. (58)
	NACF.1500B-S5/SP3	NCA4-1500A	1500A	20mA	0～±1800A	/	≤±1%	≤1%	4mA±0.05mA			Straight Amplification	±24×(1±10%)V	≤10us	6kV/50Hz/1min	-25℃~+70℃		58/Fig. (59)
	NACF.1500J-S5/V	NCA1J-1500A	1500A	4V	0～±4500A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		48/Fig. (30)
	NACF.1500J1-S5/V	NCA1J-1500A/SP1	1500A	4V	0～±2500A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		49/Fig. (31)
	NACF.1500P-S5/V	NCA1P-1500A	1500A	4V	0～±3000A	/	≤±2%	≤1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	≤10us	3kV/50Hz/1min	-40℃~+85℃		49/Fig. (32)
	NACF.1500J1-S5/SP1VM	/	1500A	4V	0～±2500A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+105℃		64/Fig. (77)
2000A	NACL.2000B1-S1	NT2000C-S	2000A	500mA	0～±3800A	1：4000	≤±0.5%	≤0.1%	≤±0.4mA			Magnetic Balance	±15×(1±5%)V~±24×(1±10%)V	≤1us	6kV/60Hz/1min	-40℃~+85℃		59/Fig. (61)
	NACL.2000B1-S4	NT2000C-S/SP1	2000A	400mA	0～±3700A	1：5000	≤±0.4%	≤0.1%	≤±0.5mA			Magnetic Balance	±15×(1±5%)V~±24×(1±10%)V	≤1us	12kV/50Hz/1min	-40℃~+85℃		59/Fig. (62)
	NACL.2000B1-S5/SP1	NT2000C-S/SP5	2000A	500mA	0～±3800A	1：4000	≤±0.5%	≤0.1%	≤±0.4mA			Magnetic Balance	±15×(1±5%)V~±24×(1±10%)V	≤1us	3kV/50Hz/1min	-25℃~+85℃		59/Fig. (63)
	NACF.2000J-S5/V	NCA1J-2000A	2000A	4V	0～±5500A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		48/Fig. (30)
	NACF.2000N-S1/V	NCA1N-2000A	2000A	10V	0～±2200A	/	≤±1%	≤1%	≤±30mV			Straight Amplification	±15×(1±3%)V	≤25us	3.5kV/50Hz/1min	-40℃~+85℃		49/Fig. (33)
	NACF.2000P-S5/V	NCA1P-2000A	2000A	4V	0～±3000A	/	≤±2%	≤1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	≤10us	3kV/50Hz/1min	-40℃~+85℃		49/Fig. (32)
	NACF.2000P1-S5/V	NCA1Q-2000A	2000A	4V	0～±3000A	/	≤±2%	≤1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	≤10us	6kV/50Hz/1min	-40℃~+85℃		56/Fig. (53)
	NACL.2000B1-S5/SP2	CLA2000C-S/SP50	2000A	400mA	0～±3000A	1：5000	≤±0.3%	≤0.1%	≤±0.5mA			Magnetic Balance	±15×(1±5%)V~±24×(1±10%)V	≤1us	6kV/50Hz/1min	-40℃~+85℃		67/Fig. (87)
	NACL.2000-S1	NT2005-S	2000A	500mA	0～±3000A	1：4000	≤±0.4%	≤0.1%	≤±1mA			Magnetic Balance	±(15~24)×(1±10%)V	≤1us	12kV/50Hz/1min	-40℃~+70℃		58/Fig. (60)
	NACL.2000-T1	NT2005-T																

" ● " UL in certification

2500A~3000A Series Current Transducers

	New Model No.	Old Model No.	Primary Nominal Current	Secondary nominal output	Measuring Range	Ratio	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
3000A	NACF.2500J-S5/V	NCA1J-2500A	2500A	4V	0～±5500A	/	≤±1%	≤1%	≤±20mV			Straight Amplification	±15×(1±5%)V	≤5us	5kV/50Hz/1min	-40℃~+85℃		48/Fig. (30)
	NACL.3000E2-T2	NA3000-T	3000A	300mA	0～±5000A	1：10000	≤±0.2%	≤0.1%	≤±0.4mA			Magnetic Balance	±(15~24)×(1±5%)V	≤1us	12kV/50Hz/1min	-25℃~+70℃		60/Fig. (64)
	NACF.3000P1-S5/V	NCA1Q-3000A	3000A	4V	0～±3300A	/	≤±2%	≤1%	≤±40mV			Straight Amplification	±(12~15)×(1±5%)V	≤10us	6kV/50Hz/1min	-40℃~+85℃		56/Fig. (53)

50V Series Voltage Transducers

50V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal out ut	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
50V	NVAF.50-33	NCV4A-50V	50V	50mA	0～±75V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.50-13	NCV4A-50V/SP4	50V	50mA	0～±75V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
	NVCL.50-22	NV100-50V	50V	50mA	0～±75V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.50D-22	NV25-50V	50V	25mA	0～±75V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤15us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (68)
100V	NVCL.100-22	NV100-100V	100V	50mA	0～±150V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.100-22/SP1	NV100-100V/SP1	100V	40mA	0～±150V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.100D-22	NV25-100V	100V	25mA	0～±150V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤15us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (68)
	NVCT.100-13	NCV1-150/SP3	100V	50mA	0～±150V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)

100V~200V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal output	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
125V	NVAF.125-33	NCV4A-125V	125V	50mA	0～±187V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.125-13	NCV4A-125V/SP4	125V	50mA	0～±187V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
140V	NVCT.140-12/V	NCV1-200V	140V	7V	0～±200V	≤±1%	≤0.1%	≤±30mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.140-12/SP1V	NCV1-200V/SP1	140V	7V	0～±200V	≤±1%	≤0.1%	≤±35mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
150V	NVAF.150-33	NCV4A-150V	150V	50mA	0～±225V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.150-13	NCV4A-150V/SP4	150V	50mA	0～±225V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
	NVCT.150-13	NCV1-225/SP3	150V	50mA	0～±225V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
200V	NVCL.200-22	NV100-200V	200V	50mA	0～±300V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.200-22/SP1	NV100-200V/SP1	200V	40mA	0～±300V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.200B-11	NV200-200V	200V	80mA	0～±300V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤30us	6kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.200B-11/SP1	NV200-200V/SP2	200V	50mA	0～±300V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤30us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
200V	NVCL.200D-22	NV25-200V	200V	25mA	0～±300V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤15us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (68)
	NVCT.200-13	NCV1-300/SP3	200V	50mA	0～±300V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
250V	NVAF.250-33	NCV4A-250V	250V	50mA	0～±375V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)

200V~500V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal output	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
250V	NVAF.250-13	NCV4A-250V/SP4	250V	50mA	0～±375V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
350V	NVCT.350-12/V	NCV1-500V	350V	7V	0～±500V	≤±1%	≤0.1%	≤±30mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.350-12/SP1V	NCV1-500V/SP1	350V	7V	0～±500V	≤±1%	≤0.1%	≤±35mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
400V	NVCL.400-22	NV100-400V	400V	50mA	0～±600V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.400-22/SP1	NV100-400V/SP1	400V	40mA	0～±600V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.400B-11	NV200-400V	400V	80mA	0～±600V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤50us	6kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.400B-11/SP1	NV200-400V/SP2	400V	50mA	0～±600V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤50us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
	NVCL.400D-22	NV25-400V	400V	25mA	0～±600V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤15us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (68)
	NVCT.400-13	NCV1-600/SP3	400V	50mA	0～±600V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
500V	NVAF.500-33	NCV4A-500V	500V	50mA	0～±750V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.500-13	NCV4A-500V/SP4	500V	50mA	0～±750V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	3.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
	NVCL.500-22	NV100-500V	500V	50mA	0～±750V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.500-22/SP1	NV100-500V/SP1	500V	40mA	0～±750V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±15%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.500B-11	NV200-500V	500V	80mA	0～±750V	≤±1%	≤1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤50us	6kV/50Hz/1min	0℃~+70℃		62/Fig. (71)

500V~800V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal output	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
500V	NVCL.500B-11/SP1	NV200-500V/SP2	500V	50mA	0～±750V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤50us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
	NVCL.500D-22	NV25-500V	500V	25mA	0～±750V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤15us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (68)
	NVCT.500-13	NCV1-750/SP3	500V	50mA	0～±900V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
600V	NVCL.600D-22	NV25-600V	600V	25mA	0～±900V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤15us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (68)
700V	NVCT.700-12/V	NCV1-1000V	700V	7V	0～±1000V	≤±1%	≤0.1%	≤±30mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.700-12/SP1V	NCV1-1000V/SP1	700V	7V	0～±1000V	≤±1%	≤0.1%	≤±35mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
750V	NVAF.750-33	NCV4A-750V	750V	50mA	0～±1125V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	4.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.750-13	NCV4A-750V/SP4	750V	50mA	0～±1125V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	4.3kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
800V	NVCL.800-22	NV100-800V	800V	50mA	0～±1200V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (71)
	NVCL.800-22/SP1	NV100-800V/SP1	800V	40mA	0～±1200V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (71)
800V	NVCL.800B-11	NV200-800V	800V	80mA	0～±1200V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤70us	6kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.800B-11/SP1	NV200-800V/SP2	800V	50mA	0～±1200V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤70us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
	NVCL.800D-22	NV25-800V	800V	25mA	0～±1200V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤25us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (680)
	NVCT.800-13	NCV1-1200/SP3	800V	50mA	0～±1200V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)

800V~1000V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal output	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
840V	NVCT.840-12/SP1V	NCV1-1200V/SP1	840V	7V	0～±1200V	≤±1%	≤0.1%	≤±35mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.840-12/V	NCV1-1200V	840V	7V	0～±1200V	≤±1%	≤0.1%	≤±30mV			Magnetic Modulation	±15×(1±5%)V	≤4us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
1000V	NVAF.1000-33	NCV4A-1000V	1000V	50mA	0～±1500V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	5.5kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.1000-13	NCV4A-1000V/SP4	1000V	50mA	0～±1500V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	5.5kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
	NVCL.1000-22	NV100-1000V	1000V	50mA	0～±1500V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.1000C1-11	NV100-1000V/SP7	1000V	50mA	0～±1500V	≤±0.7%	≤0.1%	≤±0.2mA			Magnetic Balance	±(15~24)×(1±10%)V	≤50us	6kV/50Hz/1min	-40℃~+85℃		62/Fig. (72)
	NVCL.1000C-11	TV100-1000V/SP4	1000V	50mA	0～±1500V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤70us	7kV/50Hz/1min	0℃~+80℃		63/Fig. (73)
	NVCL.1000-22/SP1	NV100-1000V/SP1	1000V	40mA	0～±1500V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.1000C-12	NV100-1000V/SP6	1000V	50mA	0～±1500V	≤±0.7%	≤0.1%	≤±0.2mA			Magnetic Balance	±(15~24)×(1±10%)V	≤60us	6kV/50Hz/1min	-40℃~+85℃		63/Fig. (74)
	NVCL.1000B-11	NV200-1000V	1000V	80mA	0～±1500V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤70us	6kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
1000V	NVCL.1000B-11/SP1	NV200-1000V/SP2	1000V	50mA	0～±1500V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤70us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
	NVCL.1000D-22	NV25-1000V	1000V	25mA	0～±1500V	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±(12~15)×(1±5%)V	≤40us	4.1kV/50Hz/1min	-25℃~+70℃		61/Fig. (68)
	NVCT.1000-12/V	NCV1-1500V	1000V	7V	0～±1500V	≤±1%	≤0.1%	≤±30mV			Magnetic Modulation	±15×(1±5%)V	≤4us	7kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.1000-12/SP1V	NCV1-1500V/SP1	1000V	7V	0～±1500V	≤±1%	≤0.1%	≤±35mV			Magnetic Modulation	±15×(1±5%)V	≤4us	7kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)

1000V~1500V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal output	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
1000V	NVCT.1000-13	NCV1-1500/SP3	1000V	50mA	0～±1500V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	7kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
1200V	NVCL.1200B-11	NV200-1200V	1200V	80mA	0～±1800V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤100us	6kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.1200B-11/SP1	NV200-1200V/SP2	1200V	50mA	0～±1800V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤100us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
1250V	NVAF.1250-33	NCV4A-1250V	1250V	50mA	0～±1875V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤10us	6kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.1250-13	NCV4A-1250V/SP4	1250V	50mA	0～±1875V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	6kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
1400V	NVCT.1400-12/V	NCV1-2000V	1400V	7V	0～±2000V	≤±1%	≤0.1%	≤±30mV			Magnetic Modulation	±15×(1±5%)V	≤4us	7kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.1400-12/SP1V	NCV1-2000V/SP1	1400V	7V	0～±2000V	≤±1%	≤0.1%	≤±35mV			Magnetic Modulation	±15×(1±5%)V	≤4us	7kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
1500V	NVAF.1500-33	NCV4A-1500V	1500V	50mA	0～±2250V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	6kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.1500-13	NCV4A-1500V/SP4	1500V	50mA	0～±2250V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤12us	6kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
	NVCL.1500-22	NV100-1500V	1500V	40mA	0～±2250V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.1500C-12	NV100-1500V/SP6	1500V	50mA	0～±2250V	≤±0.7%	≤0.1%	≤±0.2mA			Magnetic Balance	±(15~24)×(1±10%)V	≤60us	7kV/50Hz/1min	-40℃~+85℃		63/Fig. (74)
	NVCT.1500-13	NCV1-2250/SP3	1500V	50mA	0～±2250V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	7kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
1600V	NVCL.1600B-11	NV200-1600V	1600V	80mA	0～±2400V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤120us	6kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.1600B-11/SP1	NV200-1600V/SP2	1600V	50mA	0～±2400V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤120us	6kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)

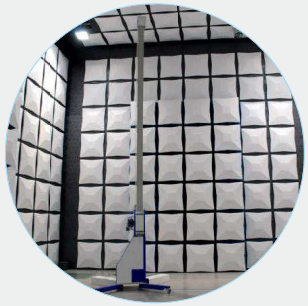
1500V~2000V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal output	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
2000V	NVAF.2000-33	NCV4A-2000V	2000V	50mA	0～±3000V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	6kV/50Hz/1min	-40℃~+85℃		60/Fig. (65)
	NVAF.2000-13	NCV4A-2000V/SP4	2000V	50mA	0～±3000V	≤±0.7%	≤0.1%	≤±0.15mA			Isolation Amplied Type	±(12~24)×(1±5%)V	≤13us	6.5kV/50Hz/1min	-40℃~+85℃		60/Fig. (66)
	NVCL.2000-22	NV100-2000V	2000V	40mA	0～±3000V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
	NVCL.2000C1-11	NV100-2000V/SP7	2000V	50mA	0～±3000V	≤±0.7%	≤0.1%	≤±0.2mA			Magnetic Balance	±(15~24)×(1±10%)V	≤60us	9kV/50Hz/1min	-40℃~+85℃		62/Fig. (72)
	NVCL.2000C-11	TV100-2000V/SP4	2000V	40mA	0～±3000V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤100us	7kV/50Hz/1min	0℃~+80℃		63/Fig. (73)
	NVCL.2000C-12	NV100-2000V/SP6	2000V	50mA	0～±3000V	≤±0.7%	≤0.1%	≤±0.2mA			Magnetic Balance	±(15~24)×(1±10%)V	≤60us	9kV/50Hz/1min	-40℃~+85℃		63/Fig. (73)
	NVCL.2000B-11	NV200-2000V	2000V	80mA	0～±3000V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤120us	7kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.2000B-11/SP1	NV200-2000V/SP2	2000V	50mA	0～±3000V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤120us	7kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
	NVCT.2000-12/V	NCV1-3000V	2000V	7V	0～±3000V	≤±1%	≤0.1%	≤±30mV			Magnetic Modulation	±15×(1±5%)V	≤4us	9kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.2000-12/SP1V	NCV1-3000V/SP1	2000V	7V	0～±3000V	≤±1%	≤0.1%	≤±35mV			Magnetic Modulation	±15×(1±5%)V	≤4us	9kV/50Hz/1min	-25℃~+70℃		62/Fig. (70)
	NVCT.2000-13	NCV1-3000/SP3	2000V	50mA	0～±3000V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	9kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
2500V	NVCL.2500-22	NV100-2500V	2500V	40mA	0～±3750V	≤±1%	≤0.2%	≤±0.3mA			Magnetic Balance	±15×(1±5%)V	≤120us	6kV/50Hz/1min	-40℃~+85℃		61/Fig. (67)
3000V	NVCL.3000B-11	NV200-3000V	3000V	80mA	0～±4500V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤200us	9.5kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.3000B-11/SP1	NV200-3000V/SP2	3000V	50mA	0～±4500V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤200us	9.5kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)

2000V~6400V Series Voltage Transducers

	New Model No.	Old Model No.	Primary Nominal Voltage	Secondary nominal output	Measuring Range	Accuracy	Linearity	Offset of zero			Working Principle	Supply Voltage	Response Time	Isolation Voltage	Operating Temperature	Picture	Page
3000V	NVCT.3000-13	NCV1-4500/SP3	3000V	50mA	0～±4500V	≤±1%	≤0.1%	≤±0.25mA			Magnetic Modulation	±(15~24)×(1±5%)V	≤4us	12kV/50Hz/1min	-40℃~+85℃		61/Fig. (69)
3200V	NVCL.3200B-11	NV200-3200V	3200V	80mA	0～±4800V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤200us	9.5kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.3200B-11/SP1	NV200-3200V/SP2	3200V	50mA	0～±4800V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤200us	9.5kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
4000V	NVCL.4000C1-11	NV100-4000V/SP7	4000V	50mA	0～±6000V	≤±0.7%	≤0.2%	≤±0.2mA			Magnetic Balance	±(15~24)×(1±10%)V	≤200us	12kV/50Hz/1min	-25℃~+70℃		62/Fig. (72)
	NVCL.4000C1-12	NV100-4000V/SP8	4000V	50mA	0～±6000V	≤±0.7%	≤0.2%	≤±0.2mA			Magnetic Balance	±(15~24)×(1±10%)V	≤200us	12kV/50Hz/1min	-25℃~+70℃		62/Fig. (72)
	NVCL.4000B-11	NV200-4000V	4000V	80mA	0～±6000V	≤±1%	≤0.1%	≤±0.15mA			Magnetic Balance	±(15~24)×(1±10%)V	≤300us	12kV/50Hz/1min	0℃~+70℃		62/Fig. (71)
	NVCL.4000B-11/SP1	NV200-4000V/SP2	4000V	50mA	0～±6000V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤300us	12kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
6400V	NVCL.6400B-11/SP1	NV200-6400V/SP2	6400V	50mA	0～±9600V	≤±1%	≤0.1%	≤±0.3mA			Magnetic Balance	±(15~24)×(1±10%)V	≤500us	12kV/50Hz/1min	-25℃~+70℃		62/Fig. (71)
	NVCL.AWB-66	NV25-P	/	10mA	0～±14mA	≤±0.8%	≤0.2%	≤±0.15mA			Magnetic Balance	±15×(1±5%)V	≤40us	4.1kV/50Hz/1min	-40℃~+85℃		64/Fig. (76)





Dimensions Diagram

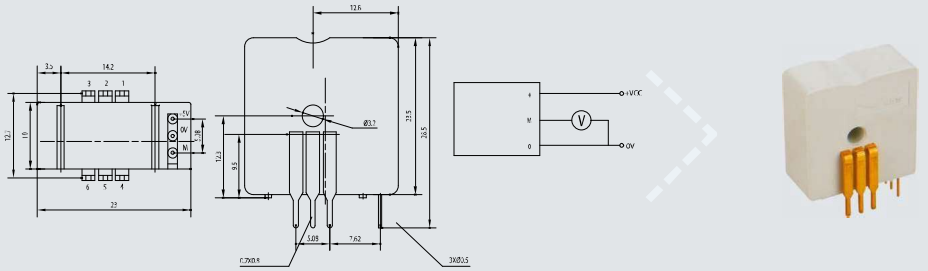


Fig. (1)

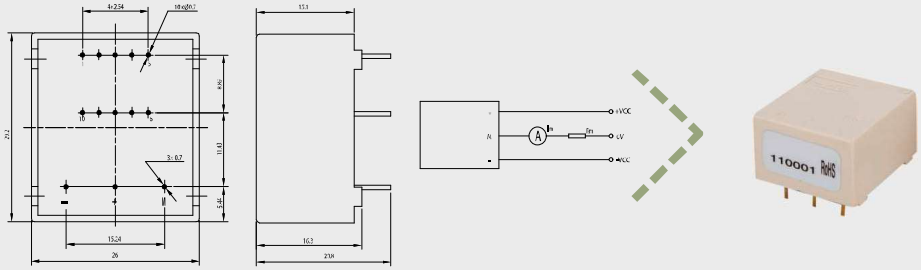


Fig. (2)

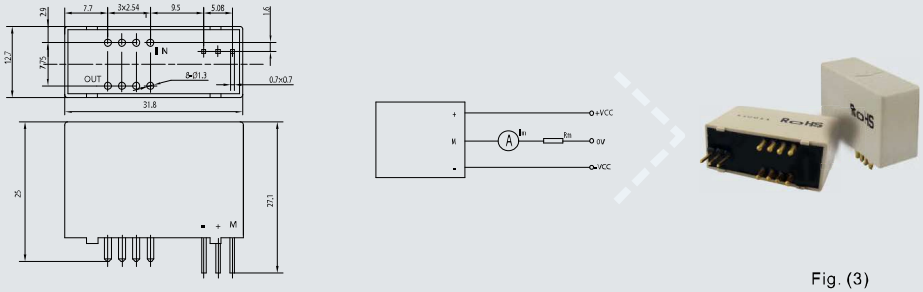


Fig. (3)

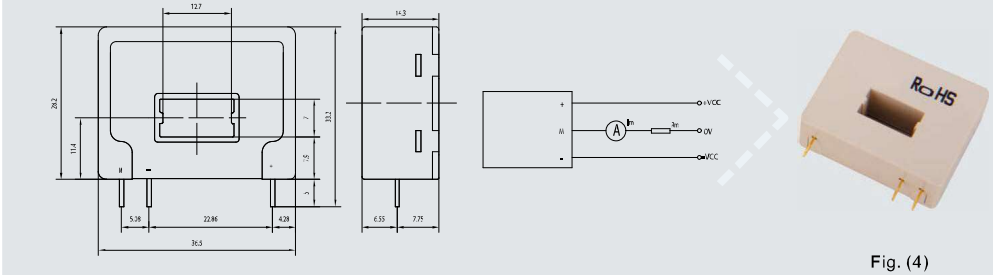


Fig. (4)

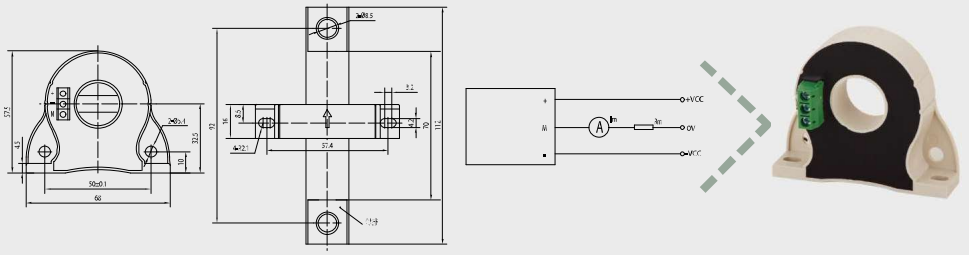


Fig. (5)

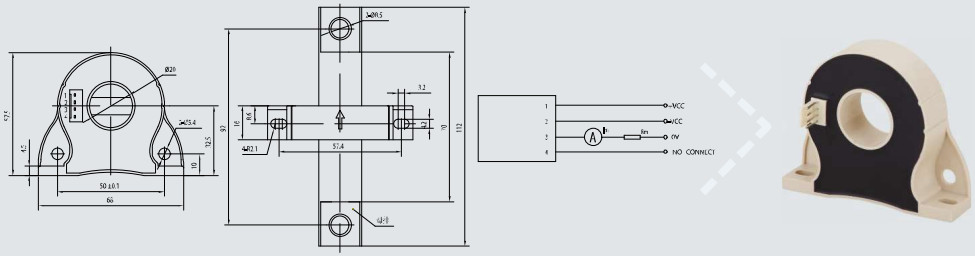


Fig. (6)

Dimensions Diagram

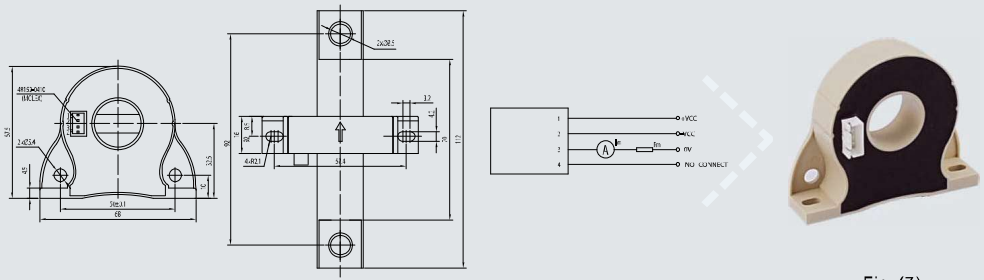


Fig. (7)

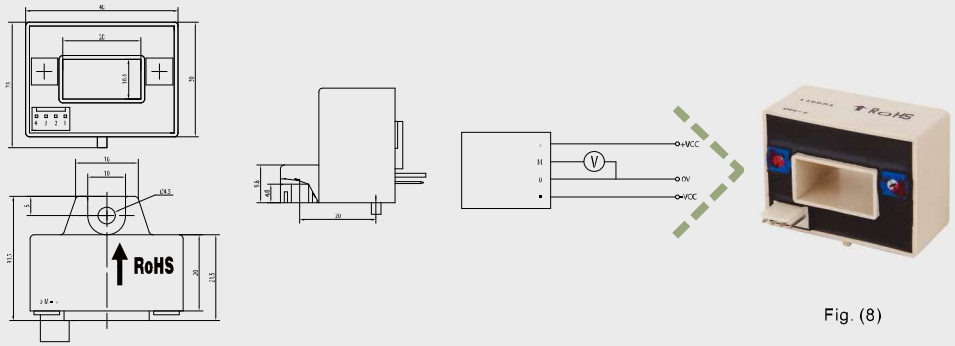


Fig. (8)

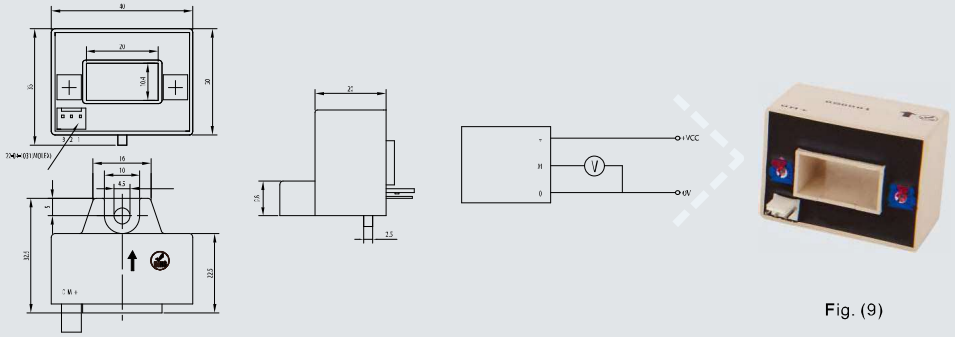


Fig. (9)

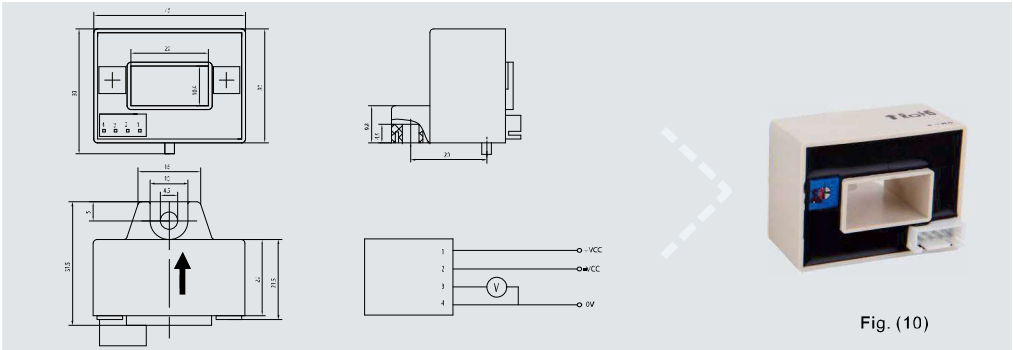


Fig. (10)

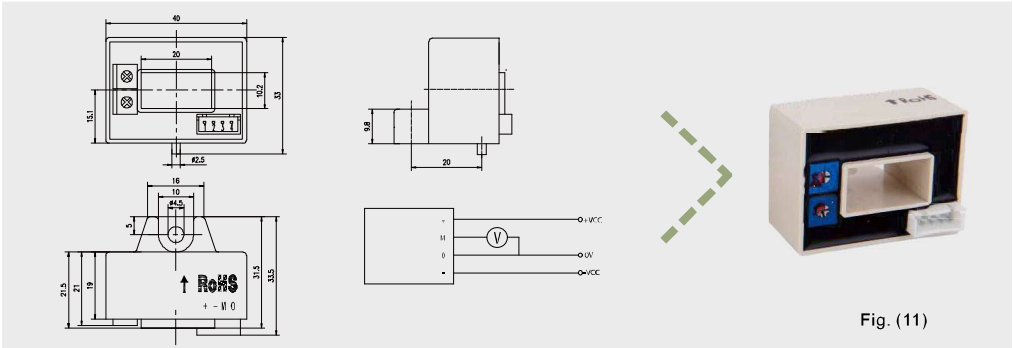


Fig. (11)

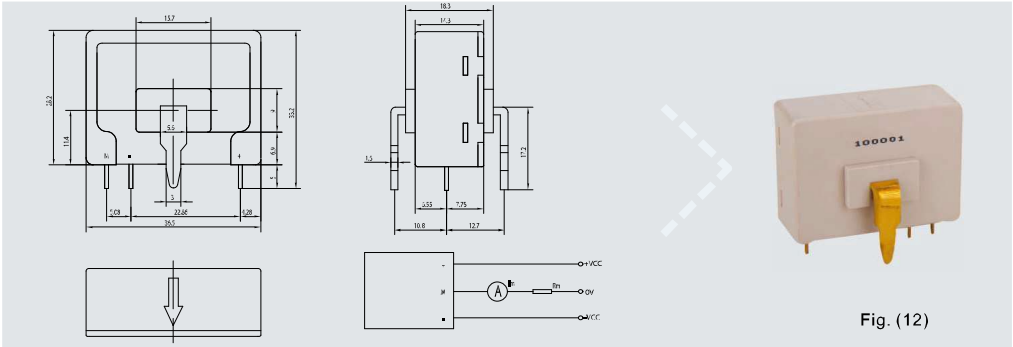
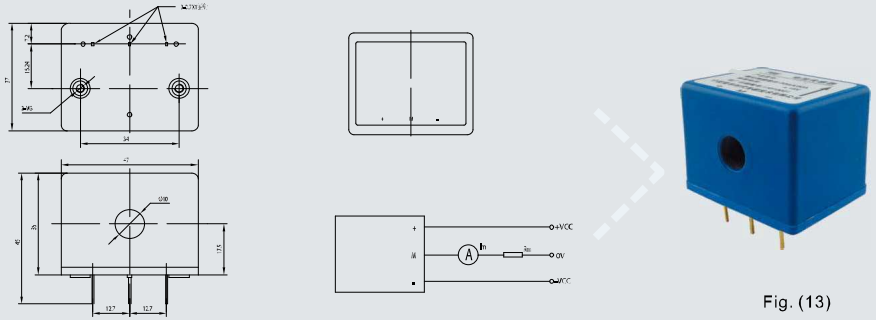


Fig. (12)

Dimensions Diagram



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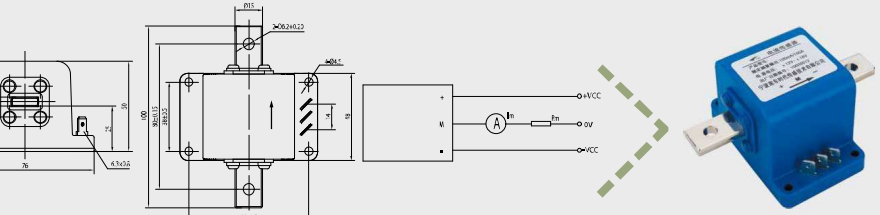

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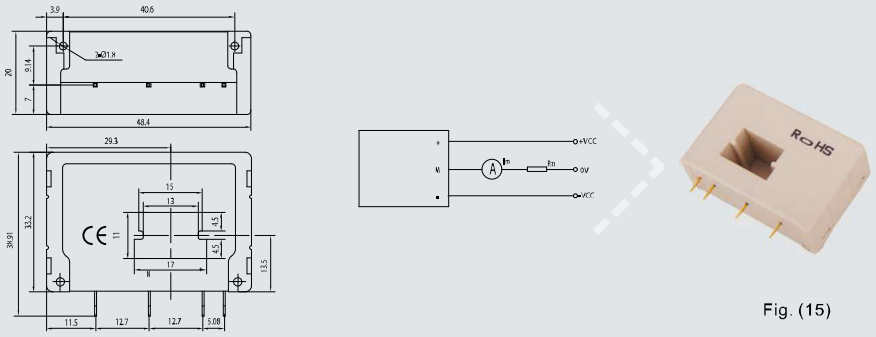

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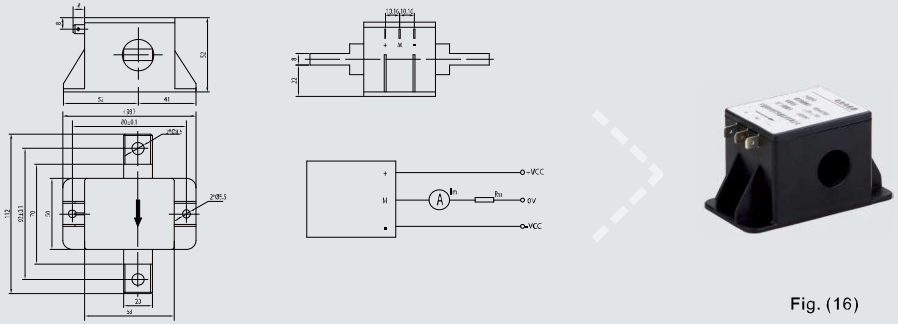

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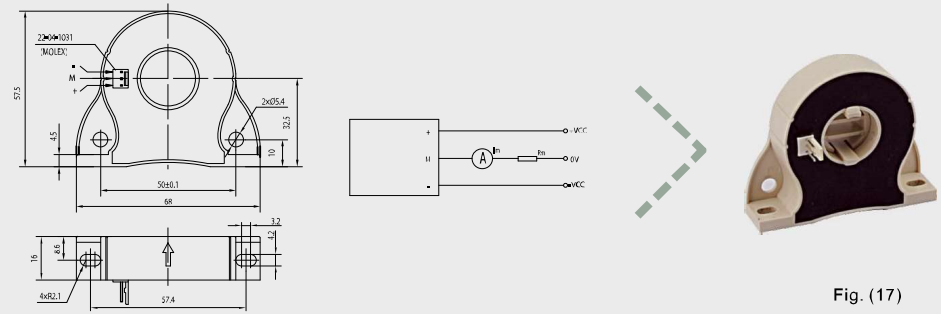

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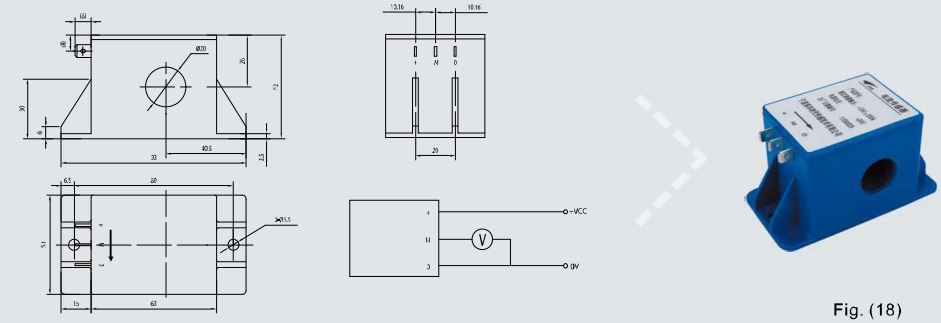
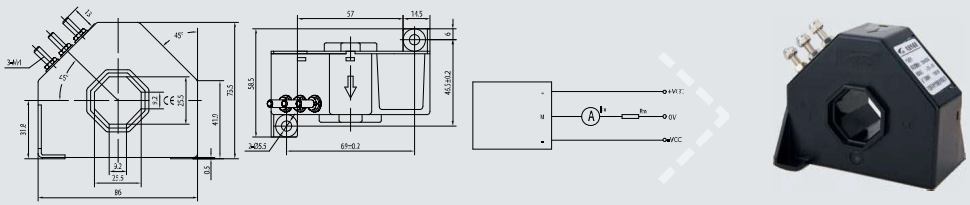


Fig. (18)

Dimensions Diagram



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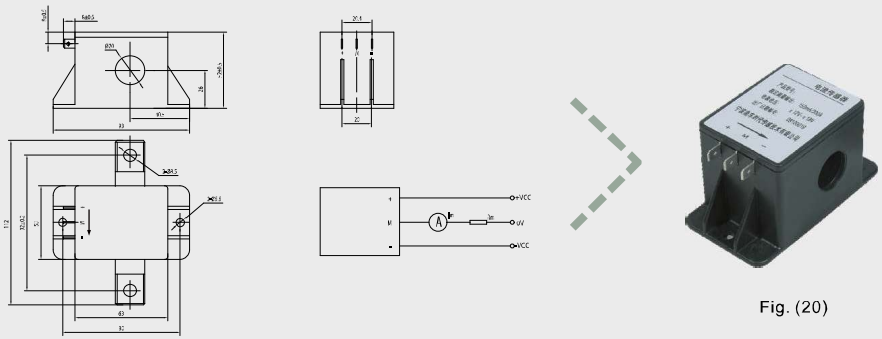

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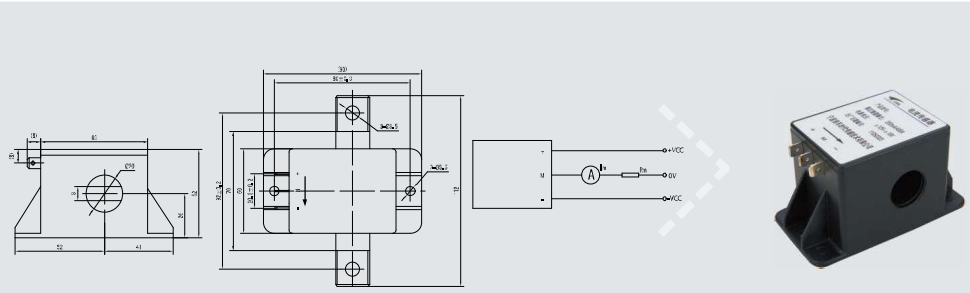

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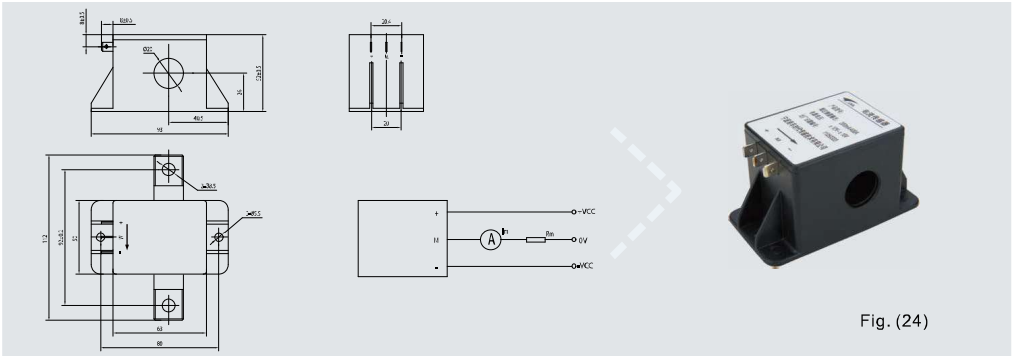

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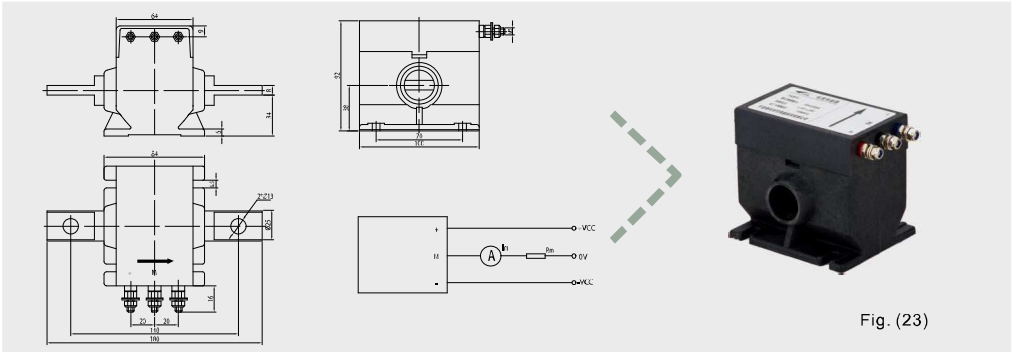

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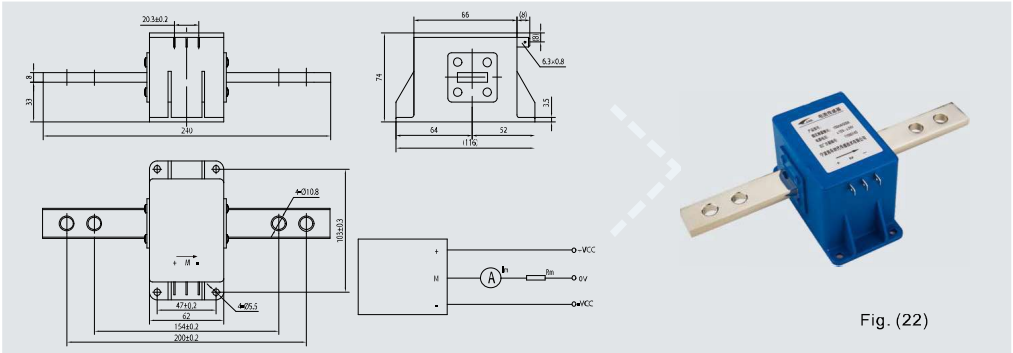
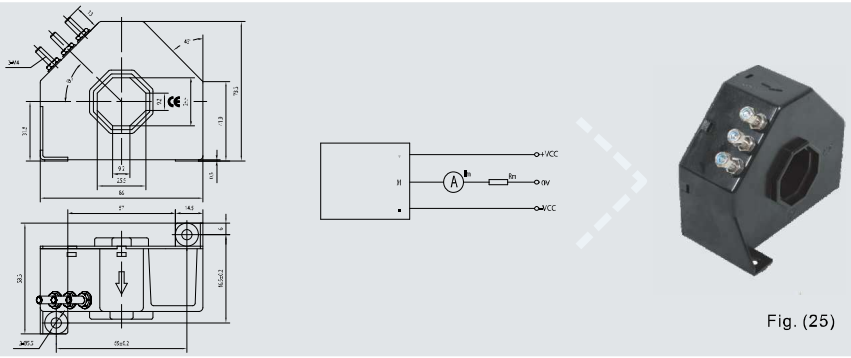


Fig. (22)

Dimensions Diagram



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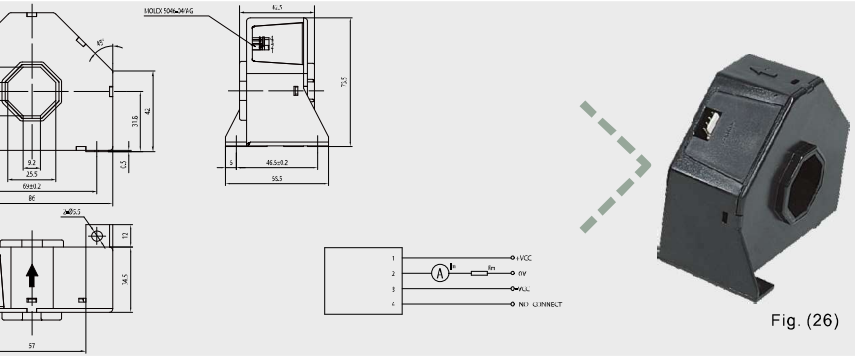

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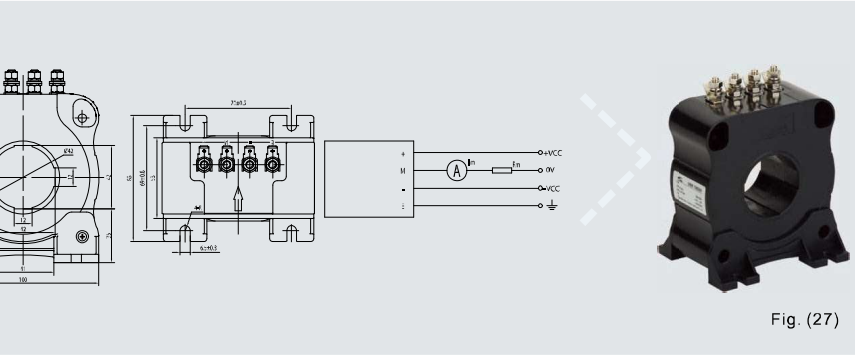

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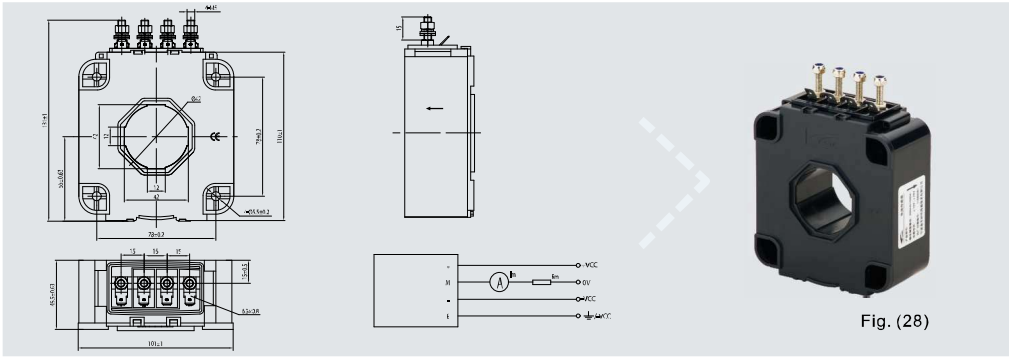

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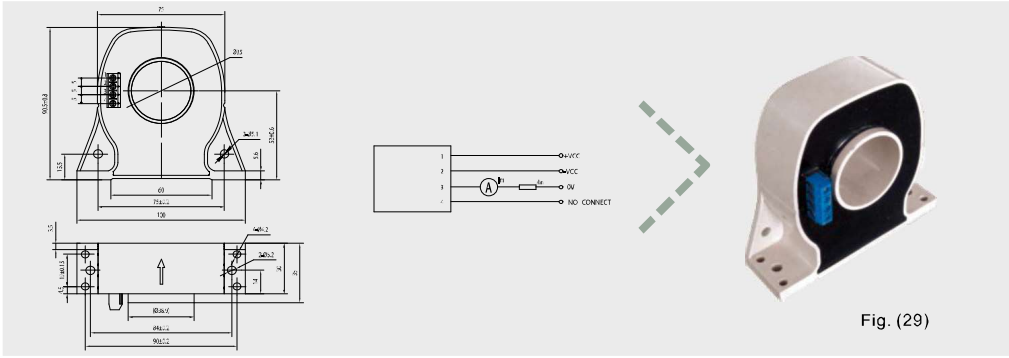

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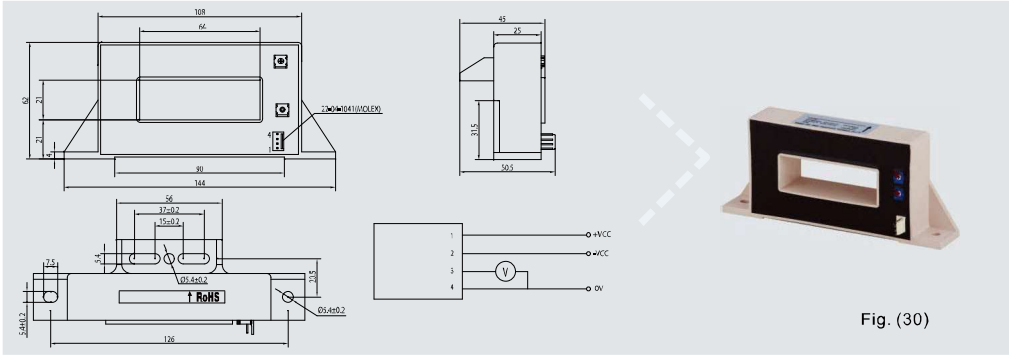
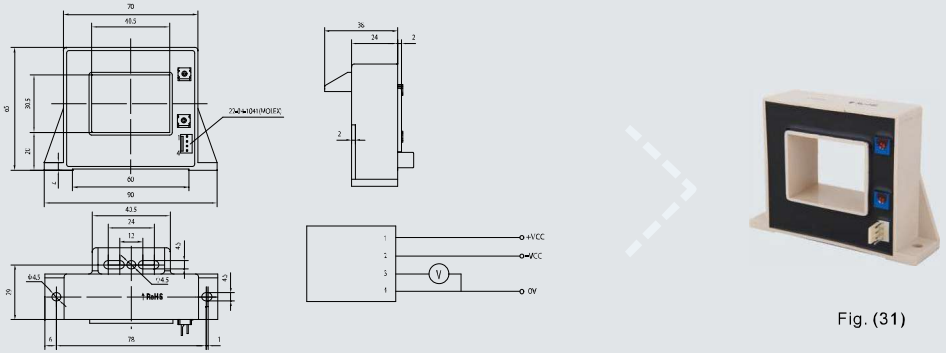


Fig. (30)

Dimensions Diagram



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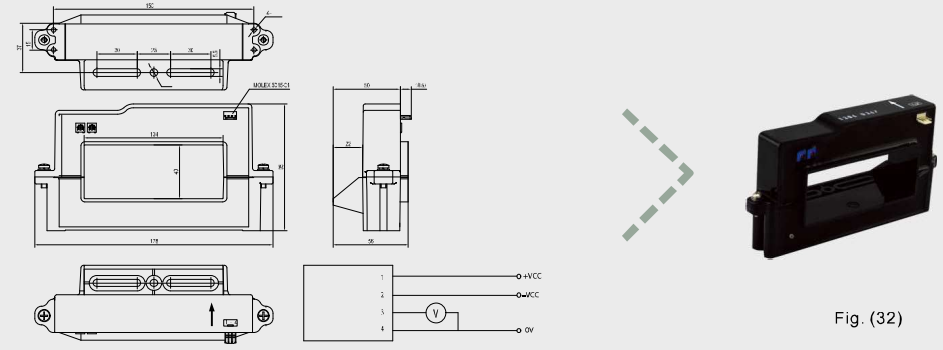

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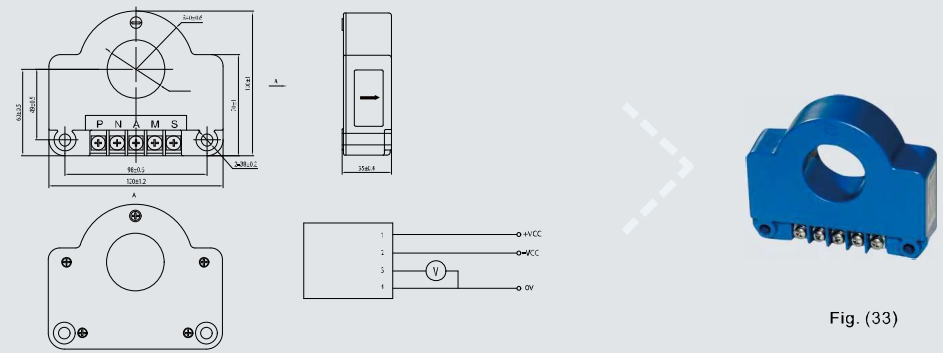

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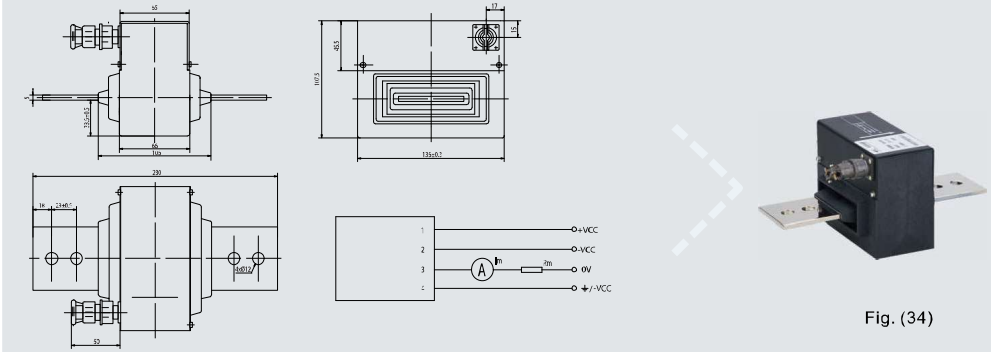

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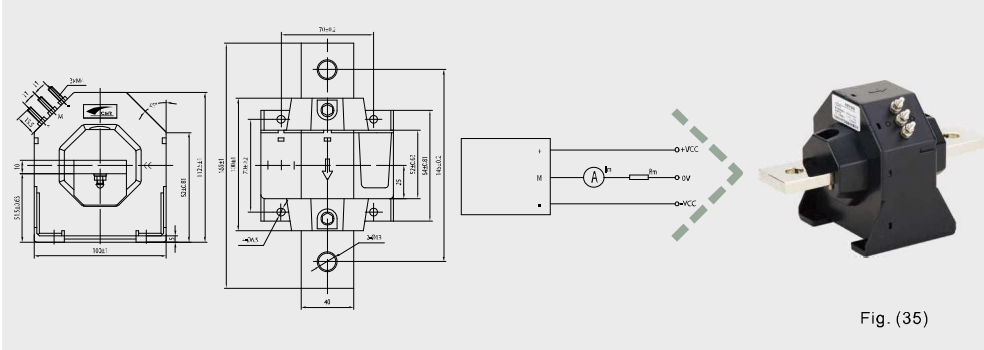

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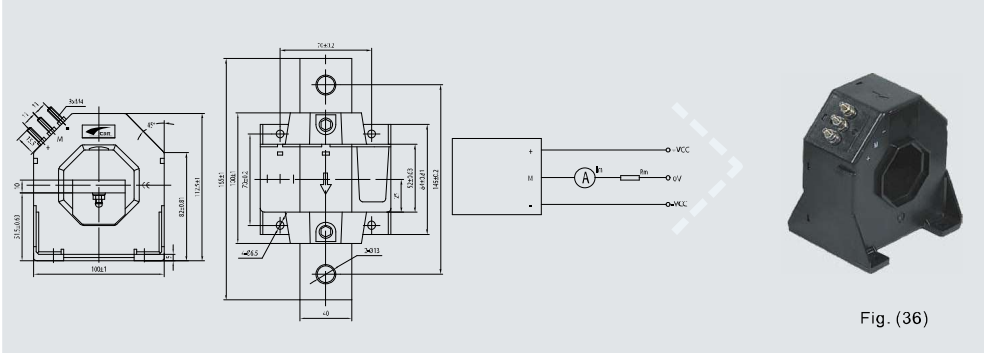

Fig. (36)

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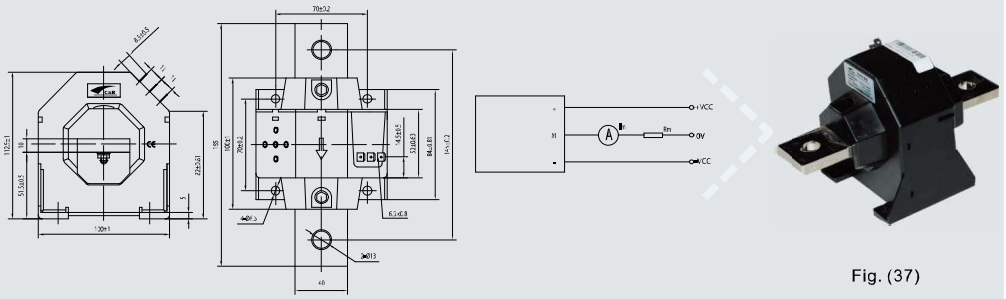

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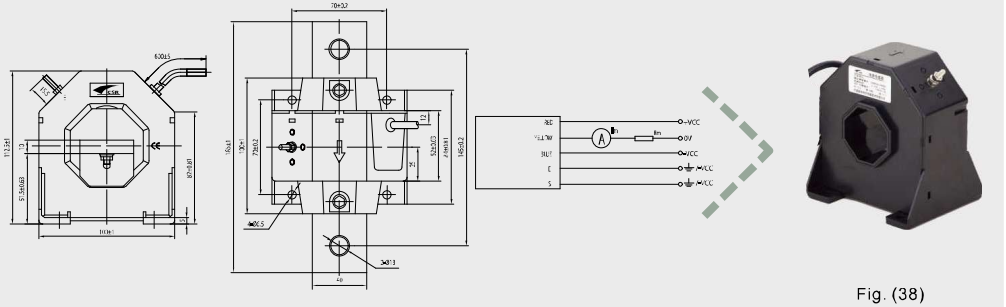

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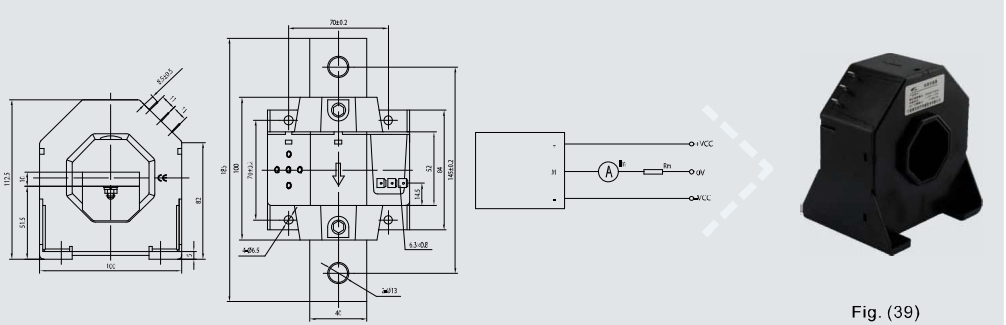

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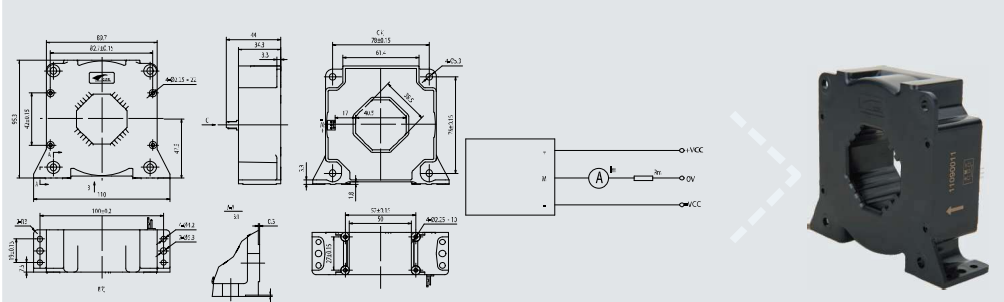

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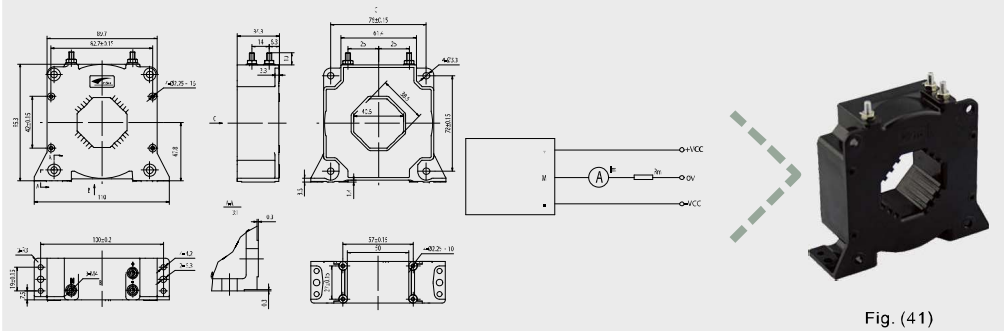

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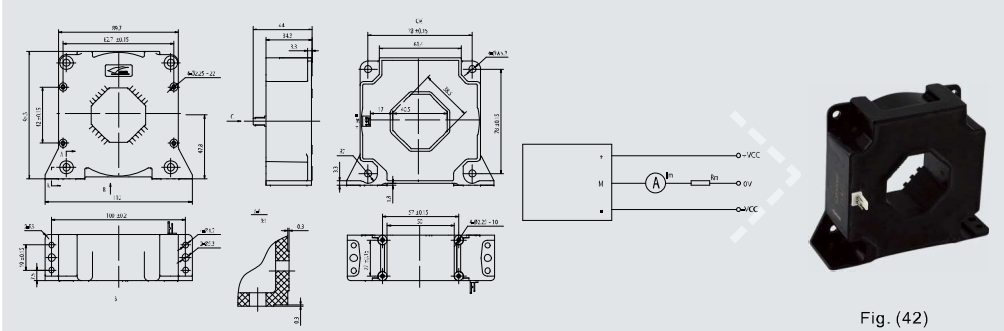
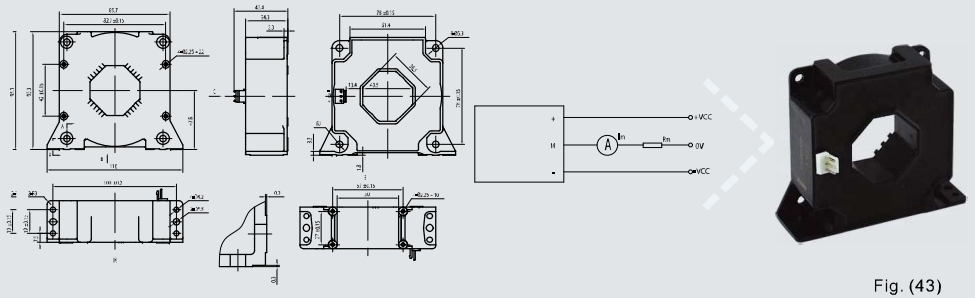


Fig. (42)

Dimensions Diagram



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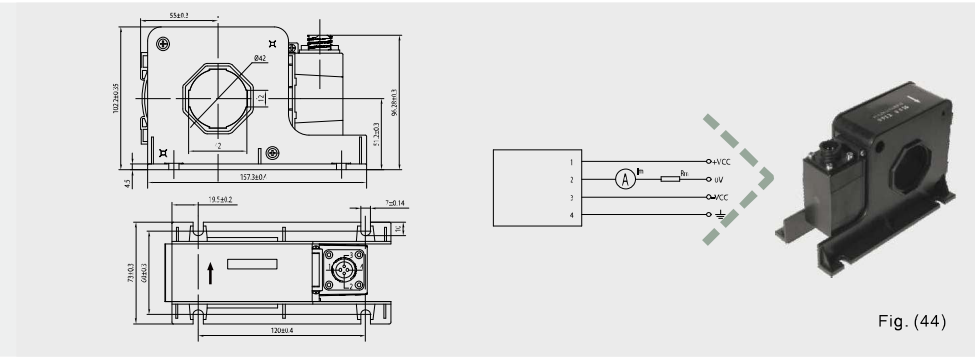

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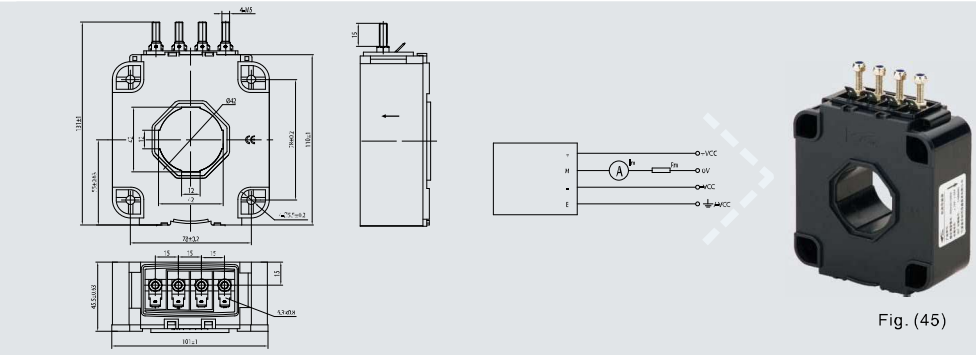

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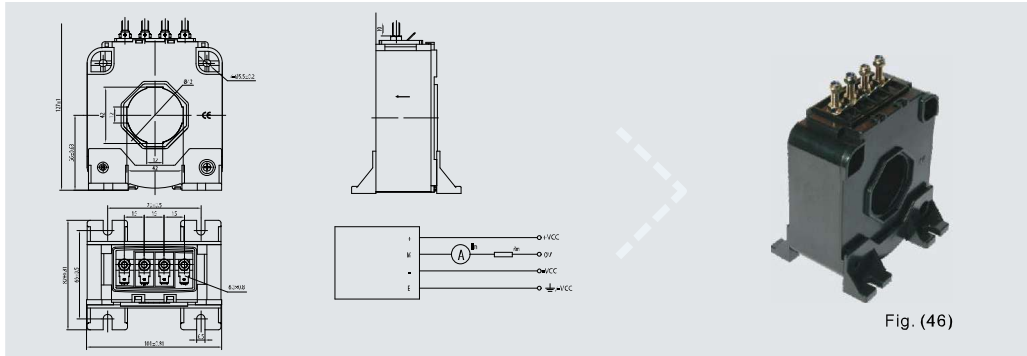

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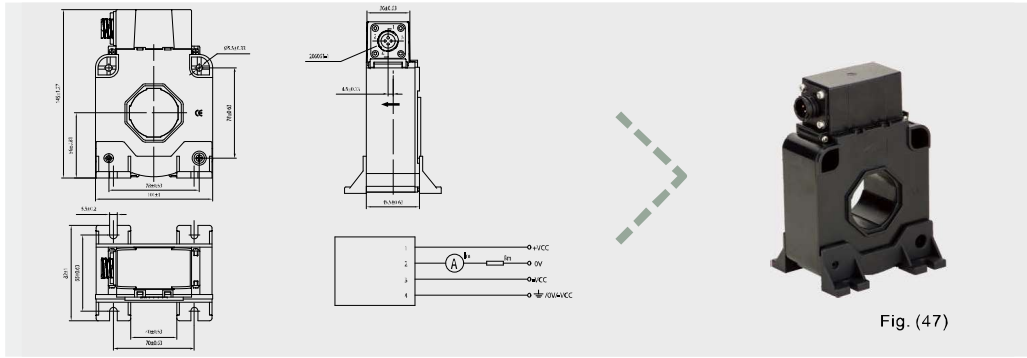

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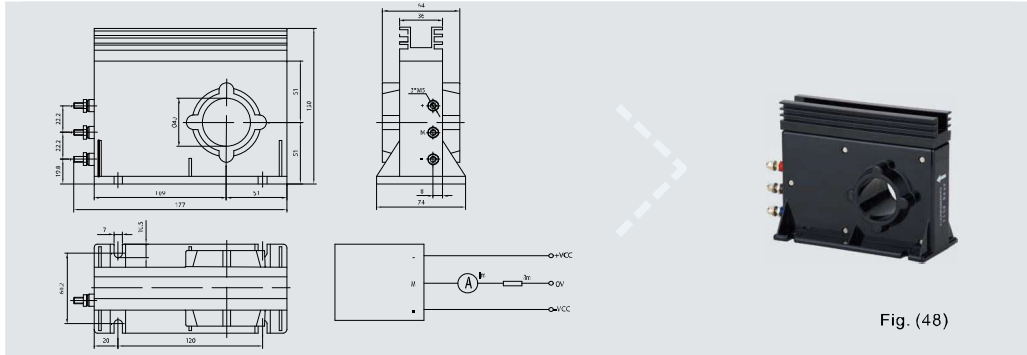

Fig. (48)

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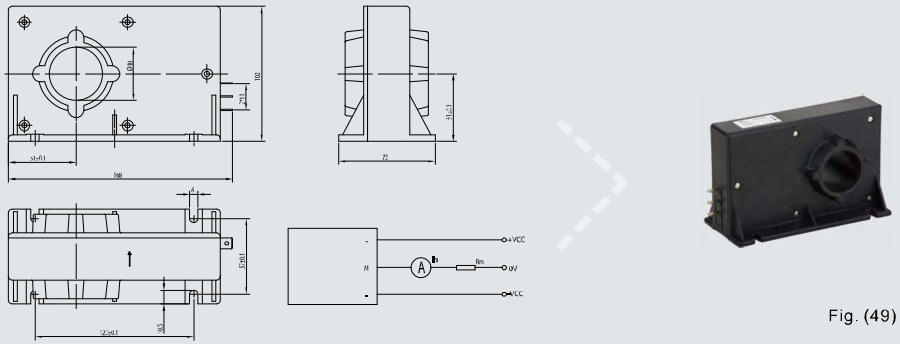

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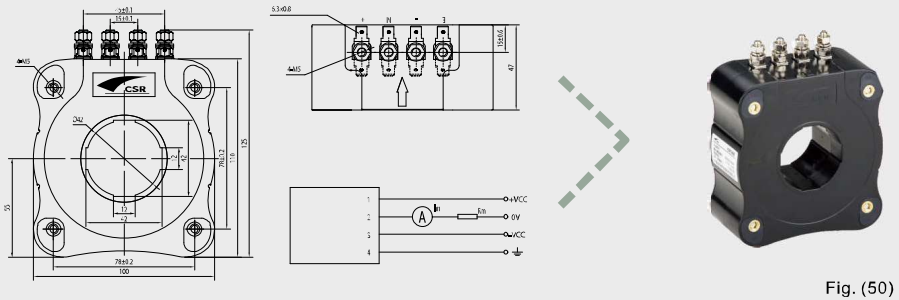
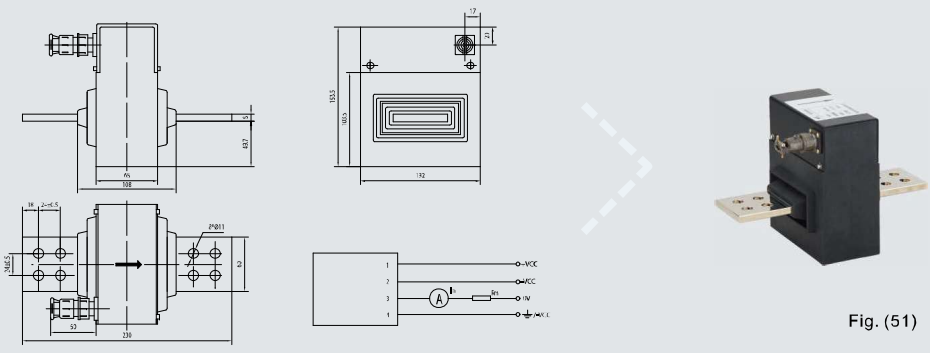


Fig. (50)



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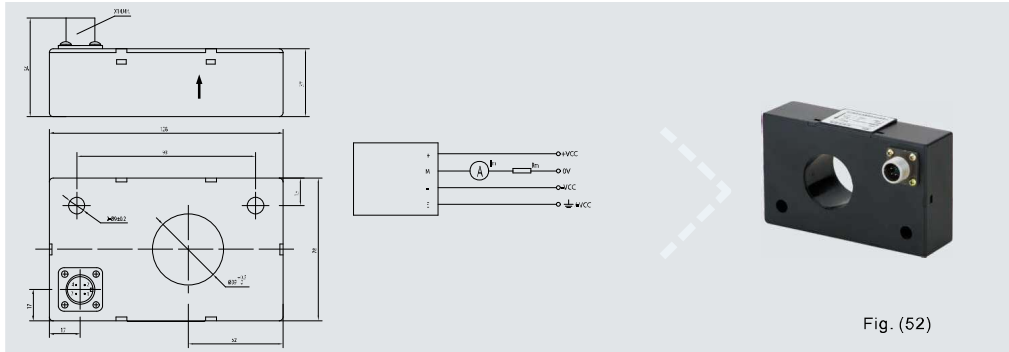

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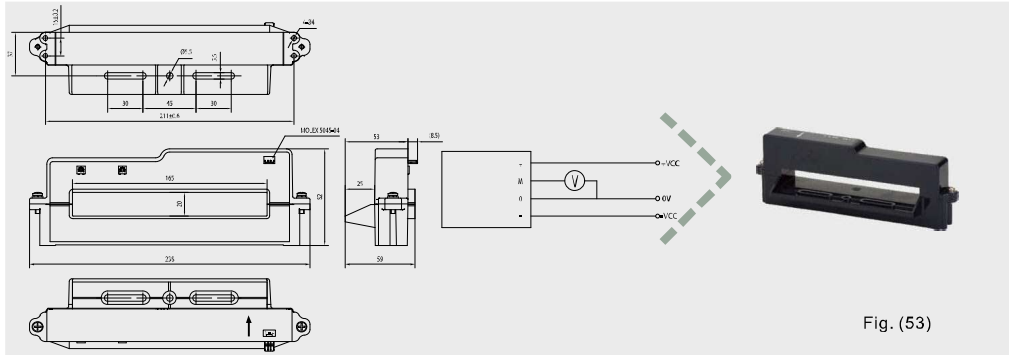

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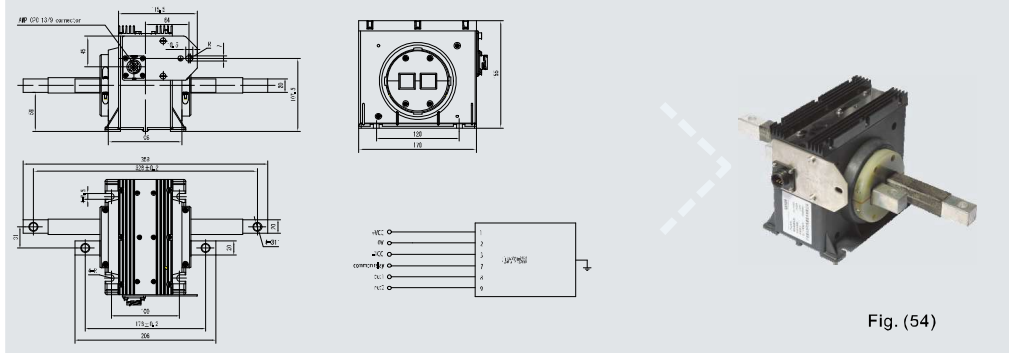
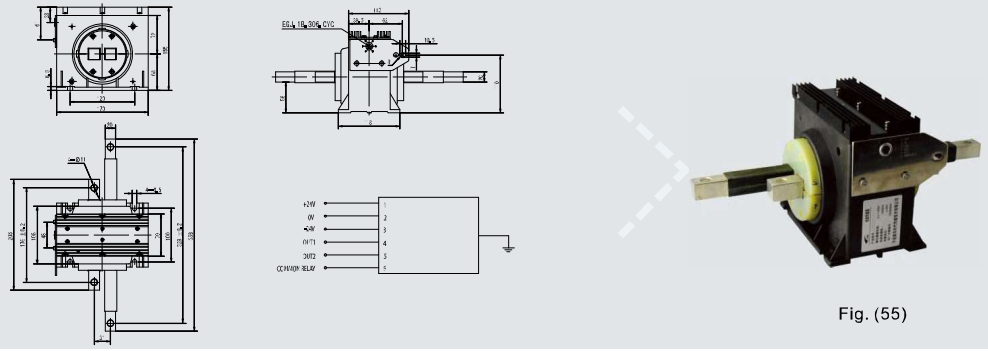


Fig. (54)

Dimensions Diagram



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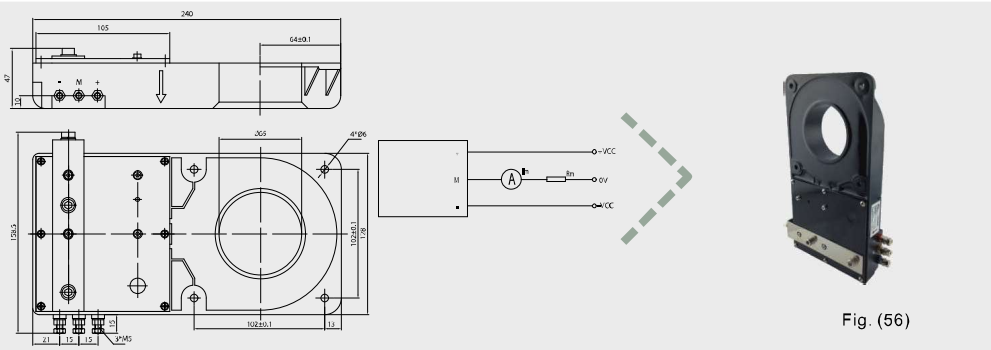

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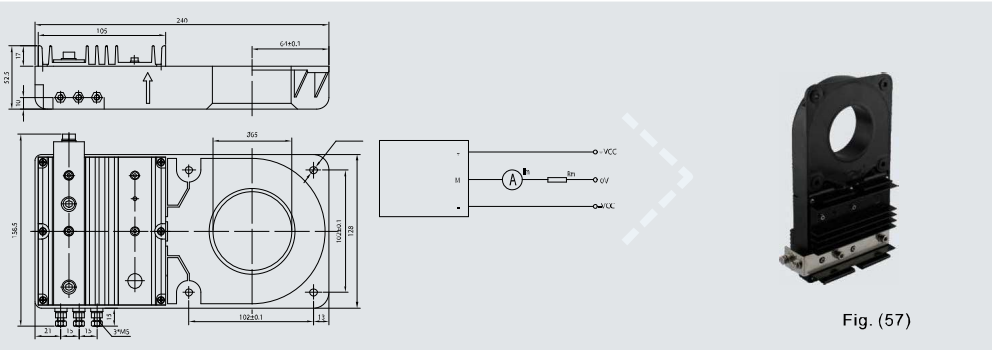

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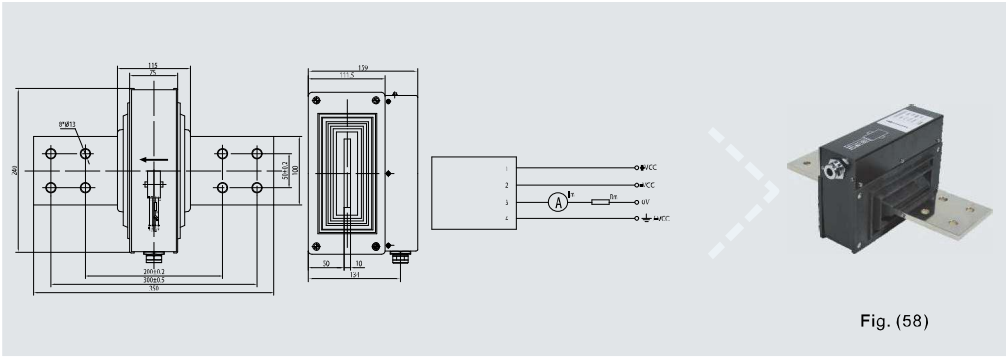

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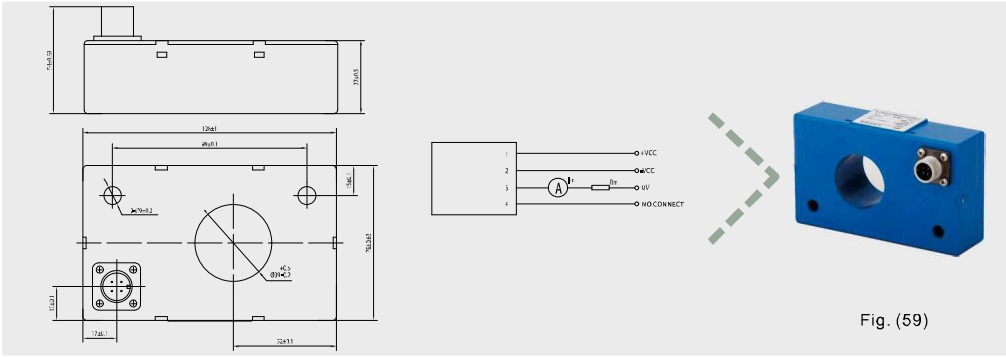

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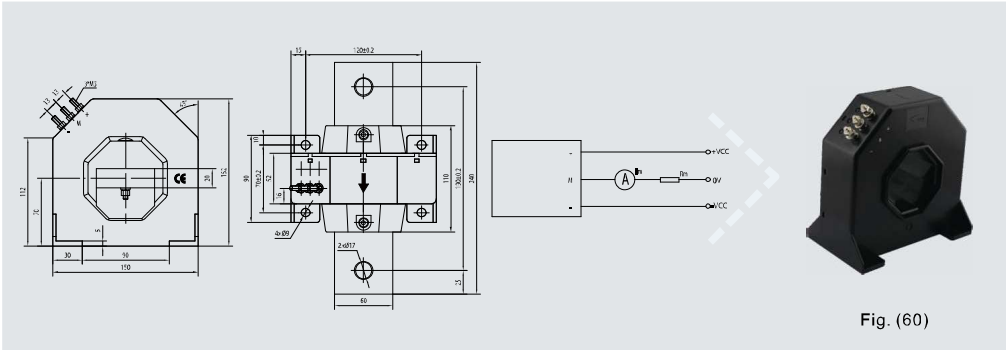
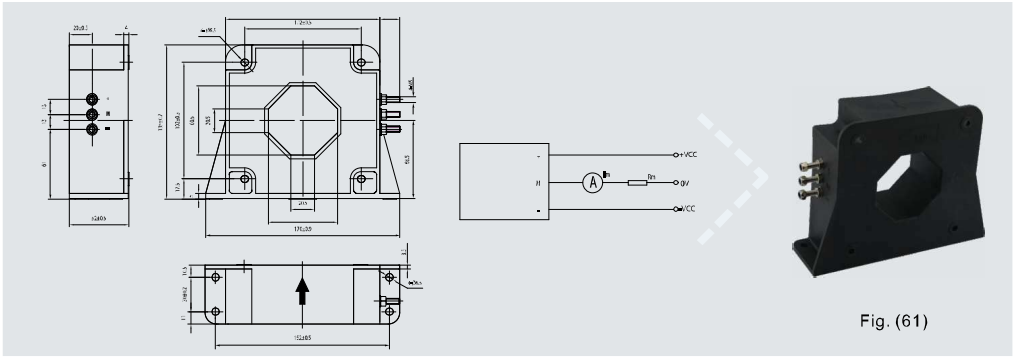


Fig. (60)

Dimensions Diagram



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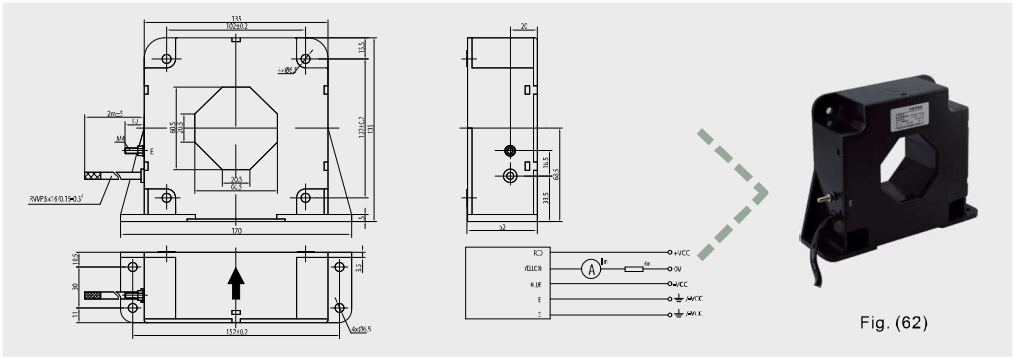

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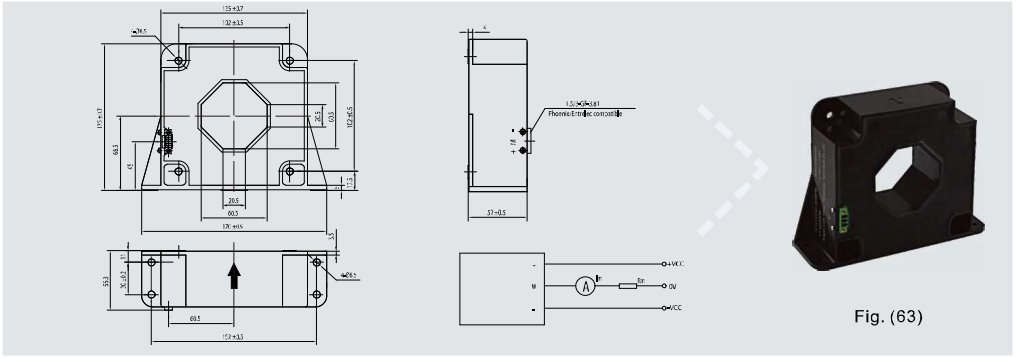

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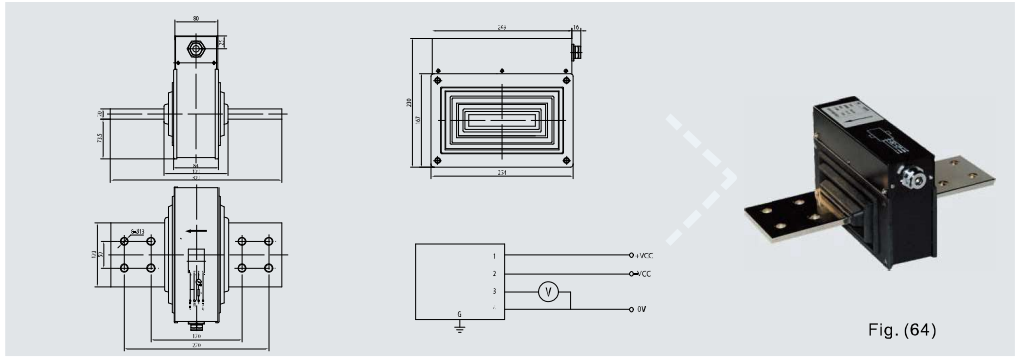

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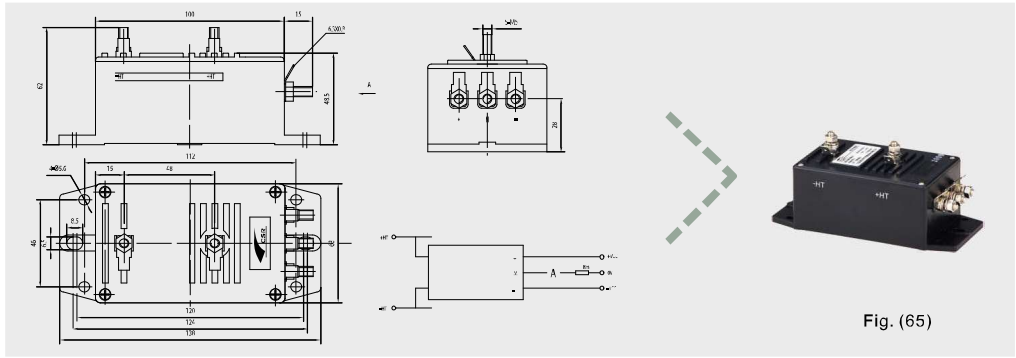


Fig. (65)

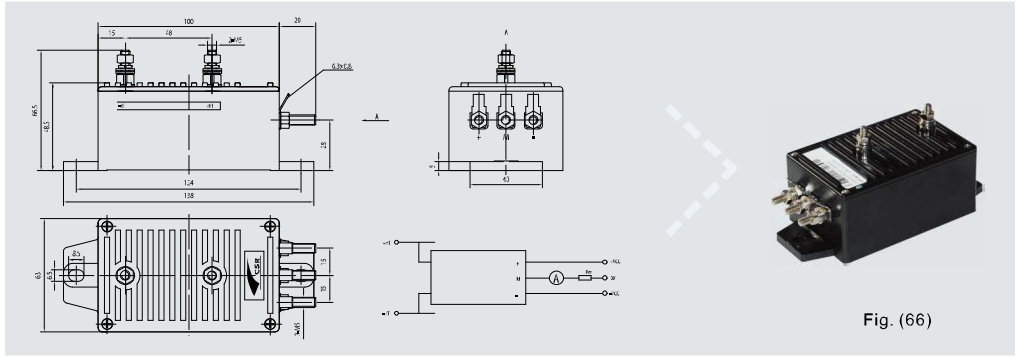
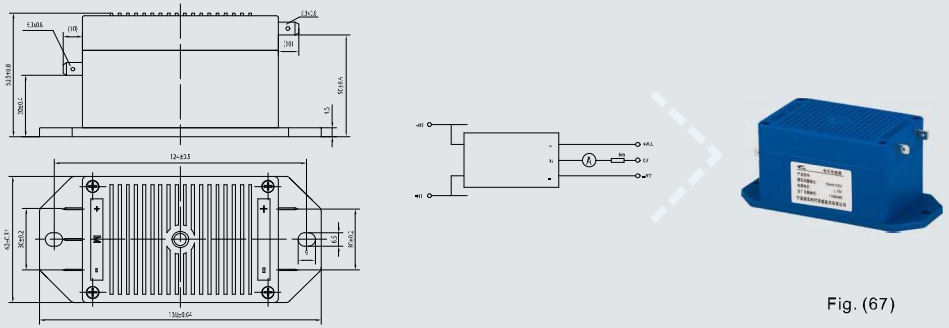


Fig. (66)

Dimensions Diagram



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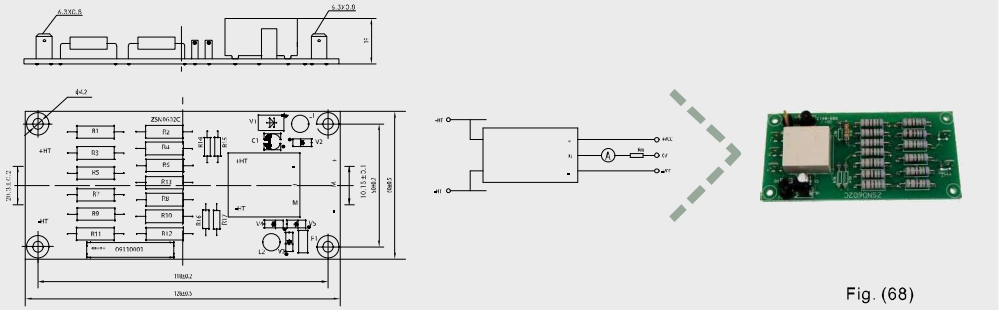
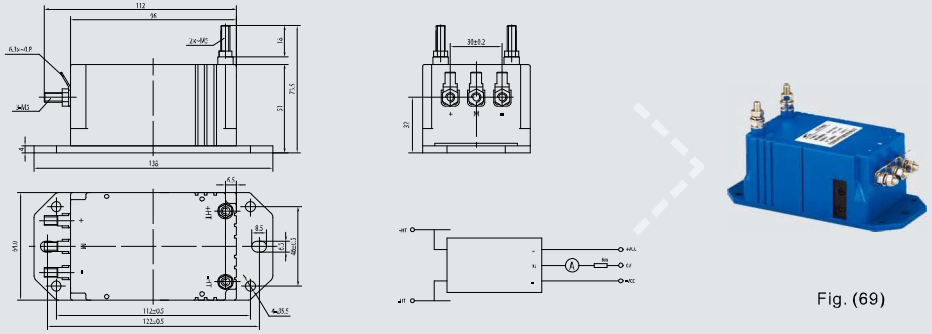


Fig. (68)



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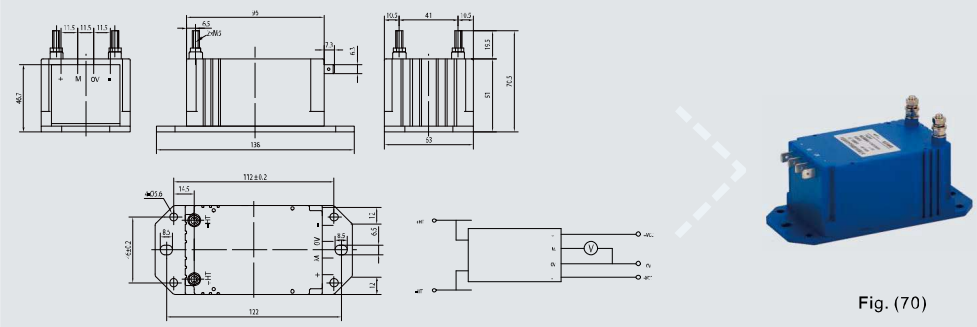


Fig. (70)

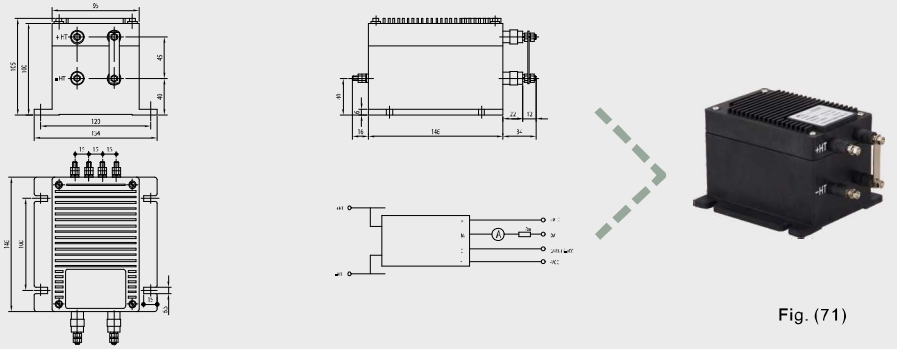


Fig. (71)

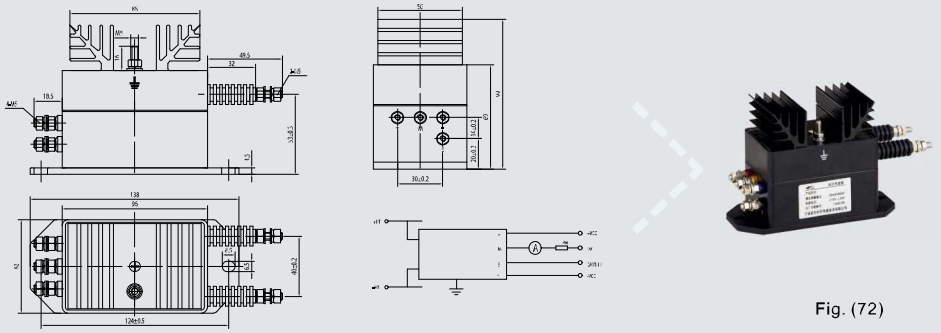


Fig. (72)

Dimensions Diagram

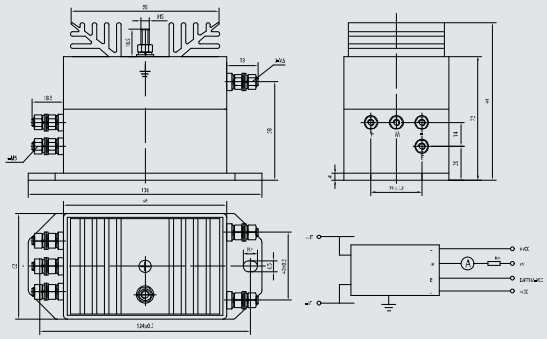
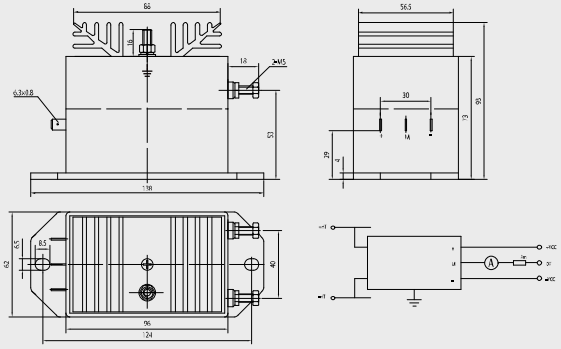


Fig. (73)



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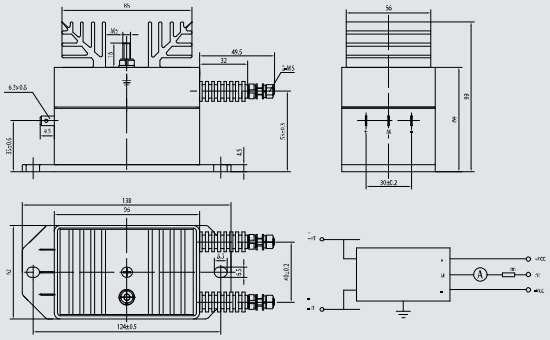

Fig. (75)

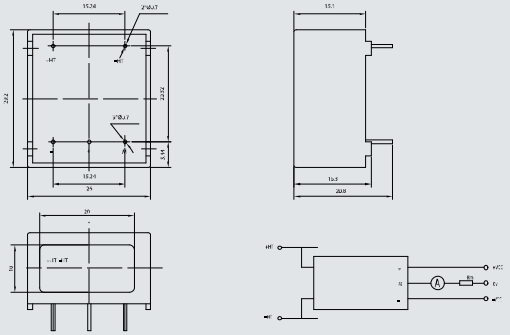

Fig. (76)

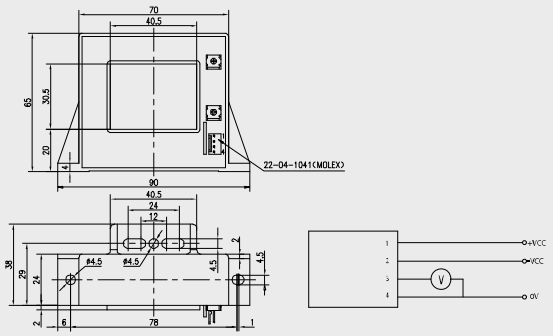

Fig. (77)

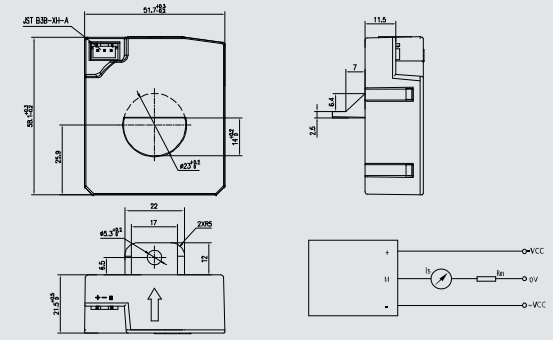

Fig. (78)

Dimensions Diagram

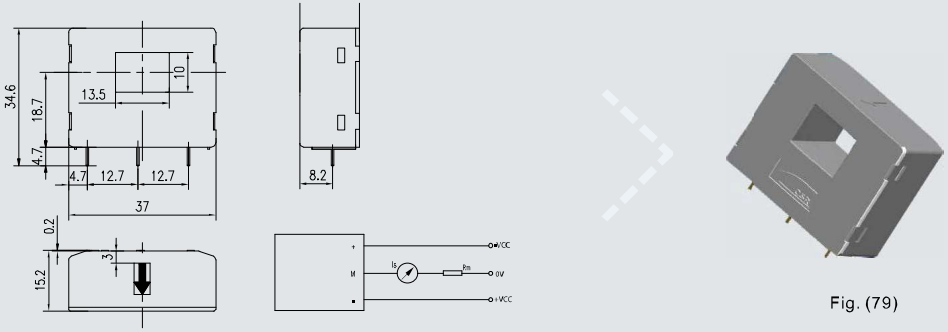

Fig. (79)

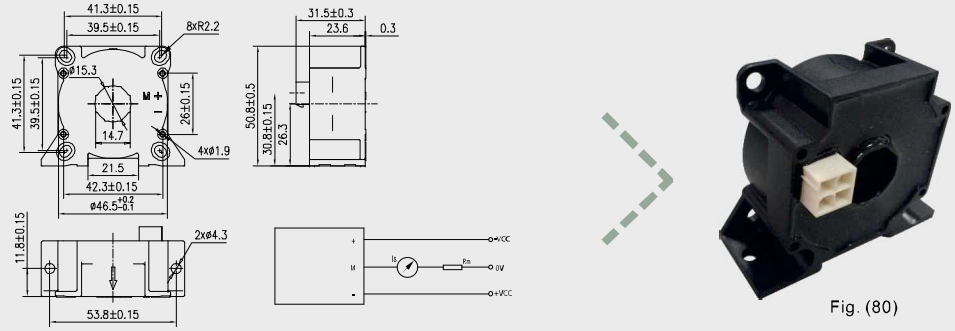

Fig. (80)

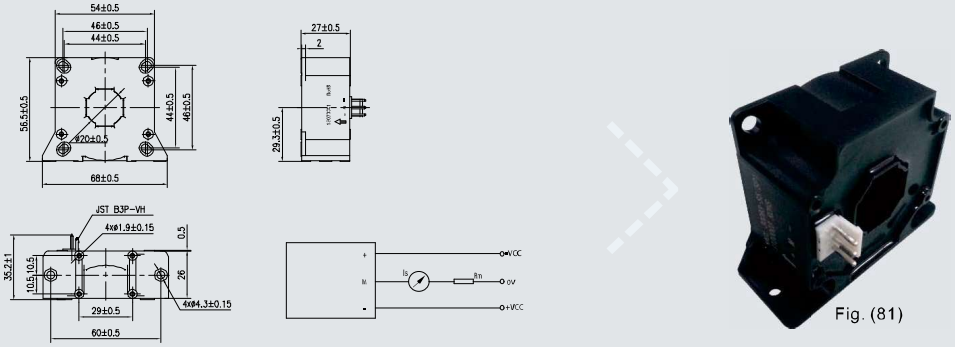

Fig. (81)

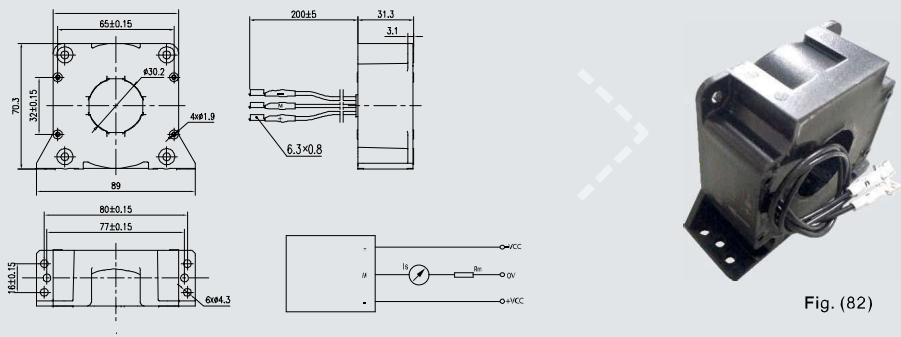

Fig. (82)

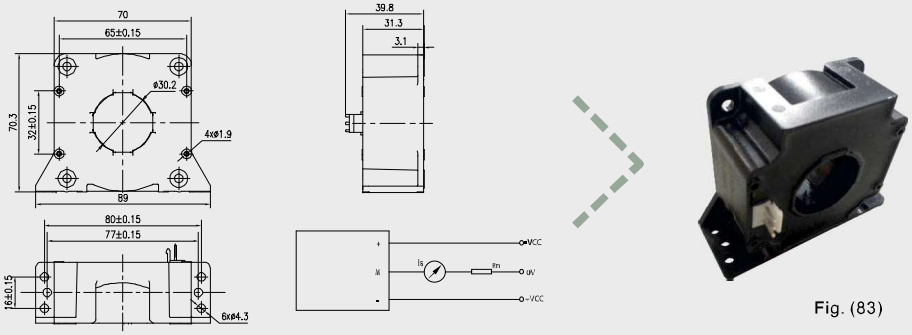

Fig. (83)

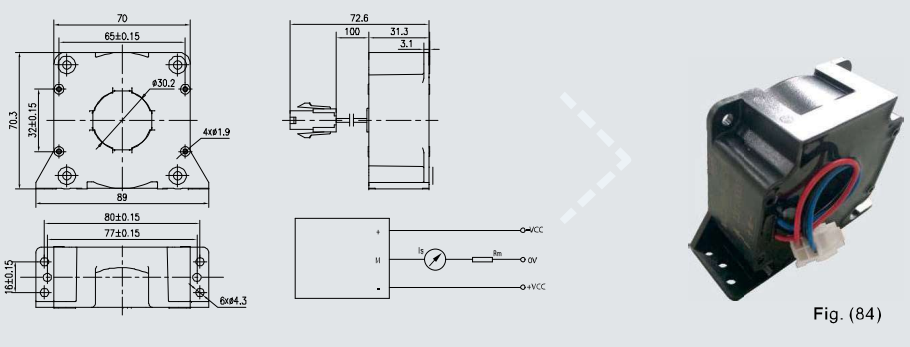

Fig. (84)

Dimensions Diagram

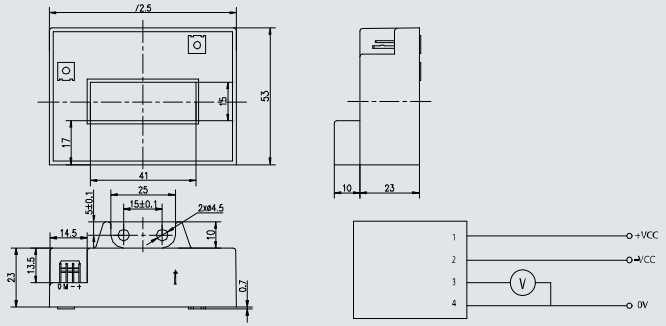

Fig. (85)

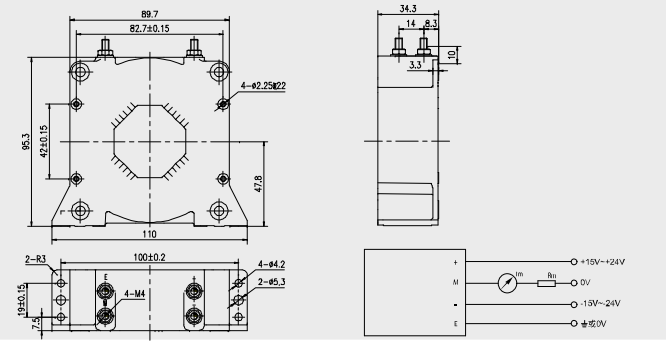

Fig. (86)

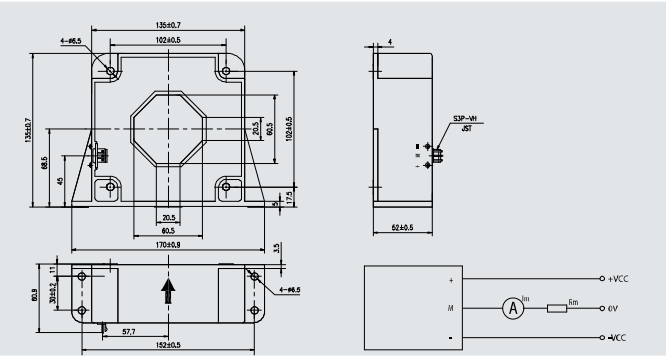

Fig. (87)

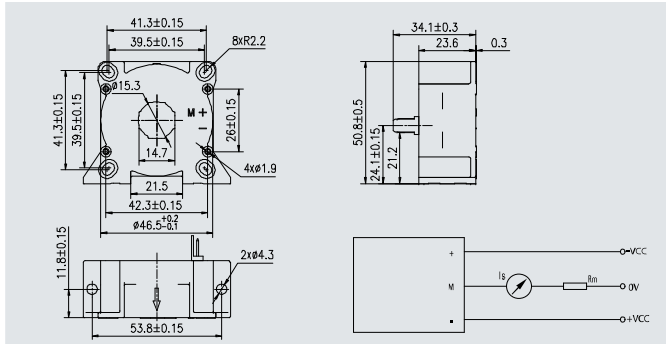

Fig. (88)

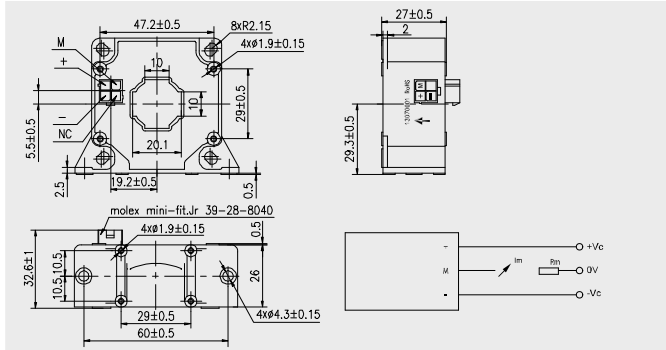

Fig. (89)

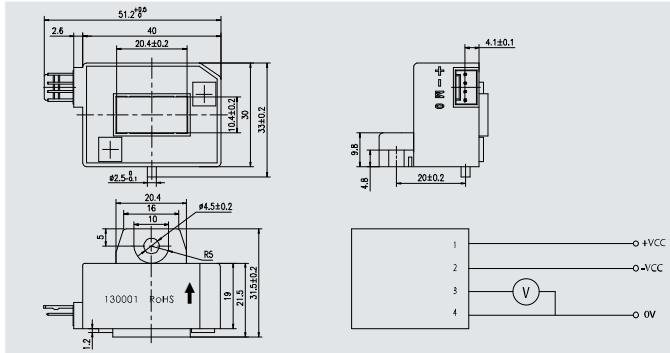

Fig. (90)

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