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DDS226 Single-phase Electronic Energy Meter

General

The DDS226 type single-phase electronic watt-hour meter adopts exclusive using LSI,the device typifying new periphery component, simple structure, high reliability, low power consumption, long life etc, is suitable for the single-phase AC active electric energy with rated frequency of 50Hz.

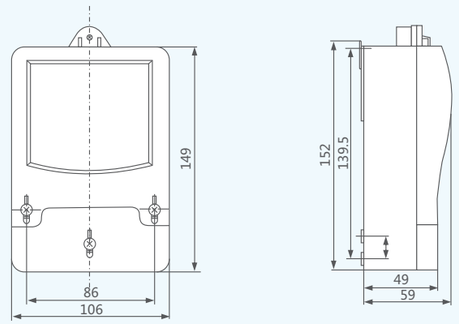
Function and features

1. Measure active electric energy, no need of calibration for long-term operation;
2. Adopt dedication meter age chip ADE7755;
3. Adopt lasted electricity dedication integrated circuit including digital multiplier overseas, greatly improved dynamic working range of Meter, making 1 multiple actual overload;
4. Have a good mistake linearity at a range of 5%Ib~Imax;
5. Few periphery component, simple structure, low power consumption;
6. Adopt high reliability and long life electronic component, so the meters assume features of high reliability and long life.
   *Way of display: register, LCD, digital tube.
   *Remote interruption of power supply function.
   *Output interface RS485.

Specifications

Rated current (A)	Rated voltage (V)	Rated Frequency (Hz)	Accuracy Class
1.5(6), 2.5(10), 5(20), 5(30), 10(40) 10(60), 15(60), 20(80), 30(100)	220 or 240	50 or 60	Class 1 or class 2

Overall and mounting dimensions(mm)



DDS226 Single Phase Static Watt Hour Meter

General

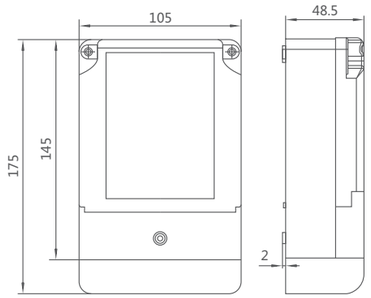
The meter is designed to measure single phase two wire AC active energy. It adopt LSI and SMT technology , the key component are long life international brand product. All of its functions comply with the relative technical requirement for class 1 single phase watt hour meter in IEC62053-21. It is a long life meter with the advantage of high stability , high over load capability , low power loss and compact size.

Basic Function

1. Mechanical step register 5+1(default) , 6+1,anti-reverse protection or LCD display 6+1 or 5+2;
2. Bi-directional total active energy measurement ,reverse active energy measure in the total active energy;
3. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
4. Reverse LED indicates the reverse current direction or wire reverse connect;
5. Two type of cases (protective-class I and II) are available.

Optional Function

Ultrasonic weld sealing between meter cover and meter base, not used screw.



Specifications

Technical Index	Specification
Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8~1.2Un
Rate Current	1.5(6)A,10(40)A,5(60)A,10(100)A, or special required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	mechanical step register
Accuracy class	1.0
Power consumption	<1W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
IP grade	IP51 or IP54
Constant	800～6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms
Executive standard	IEC61036 , IEC62053-21 , IEC62052-11
Work temperature	-30℃~70℃
Outline dimension L×M×H	145×105×50.5mm (short terminal cover L1)
	175×105×50.5mm (Long terminal cover L2)
Weight	Approx 0.4kg

DDSY726 Single-phase Electronic Pre-paid Energy Meter

General

The DDSY726 type single-phase electronic pre-paid watt-hour meter is developed on the base of excellent single-phase electronic watt-hour meter. It is a new type of IC card pre-paid meter, which has such functions as power metering, load control and customer information management. It is an ideal product when reforming lectric-use system, achieving electrical energy to commercialize, setting charge and adjusting load stage in the electric network.

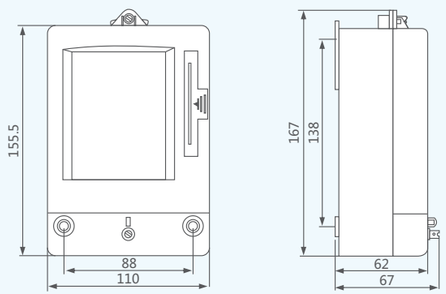
Function and features

1. Active single-phase electric power metering, no subject to adjust in terms of long working.
2. Each user (meter) responds to a card, well protect from forgery;
3. Once the remaining electric power quality is approaching the alarming power quality, the digital tube should be lighted to remind user of timely purchasing;
4. Once the electric consumption available is out, it should be auto cut-off;
5. Protect from power theft, and recording the information automatically;
6. Auto cut-off for overload;
7. Data copy function make the electricity department easier manage;
8. Large capacity magnetic maintains reply, low power consumption, high reliability.
9. Adopt high reliability and long life electronic component, so the meter assumes features of high reliability and long life.
10. The IC card power selling control system has the function as power selling and using control.

Specifications

Rated current (A)	Rated voltage (V)	Rated Frequency (Hz)	Accuracy Class
5(20), 5(30), 10(40), 10(60), 15(60)	220 or 240	50 or 60	Class 1 or class 2

Overall and mounting dimensions(mm)



DTS726, DSS726 Three-phase Electronic Energy Meter

General

The meter is used in three phase four wire power grid. The meter is designed to measure AC active energy. All of its functions comply with the relative technical requirement for class 1 three phase watt hour meter in IEC62053-21. It is a long life meter with the advantage of high stability, high over load capability, low power loss.

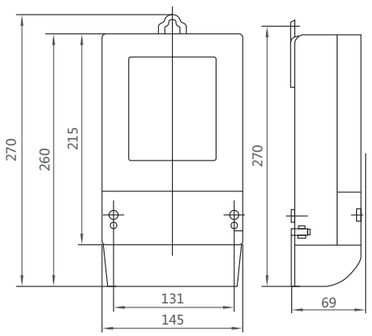
Basic Function

1. Mechanical step register 5+1(default) , 6+1, 5+2 , 5 digit no decimal , 6 digit no decimal OR LCD display 6+1, 5+2;
2. Bi-directional total active energy measurement ,reverse active energy measure in the total active energy;
3. Three phase power supply , the meter also measure when loss one phase (any one wire in three phase three wire) or when loss two phase (any two in three phase four wire;
4. Loss phase LED indicates working of phase;
5. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
6. Two type of cases (protective-class I and II) are available.

Optional Function

1. Internal connection between the voltage circuit hook and current circuit hook in order to anti-tamer.

Specifications



Technical Index	Specification
Rate voltage	DTS726, DSS726 three phase four wire 3×57.7/100V, 3×127/220V, 3×120/208V, 3×220/380V, 3×230/400V, 3×240/415V
Working voltage range	0.8~1.2Un
Rate Current	5A/CT,1.5(6)A,5(30)A,10(40)A,5(60)A,20(80)A,10(100)A, or other as required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	mechanical step register
Accuracy class	Active class 1.0
Power consumption	<1W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
IP grade	IP51 or IP54
Constant	400~6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms
Executive standard	IEC62053-21 , IEC62052-11
Work temperature	-30℃~70℃
Outline dimension L×M×H	215×145×69mm (short terminal cover L1)
	260×145×69mm (long terminal cover L2)
Weight	Approx 1.2kg

DTSY726, DSSY726 Three-phase Electronic Pre-paid Energy Meter

General

The DTSY726,DSSY726 type three-phase electronic pre-paid watt-hour meter is a new type of IC card pre-paid meter, which has such functions as power metering, load control and customer information management. It is an ideal product when refor-ming electric-use system, achieving electrical energy to commercialize, setting charge and adjusting load stage in the electric network.

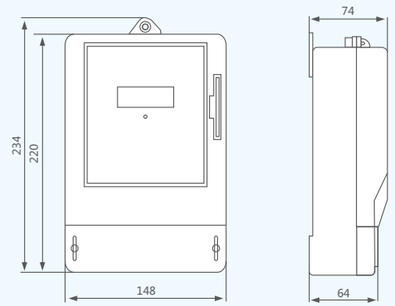
Function and features

1. Active three-phase electric power metering, no subject to adjust in terms of long working;
2. Three phase power supply can assure accurate metering in case of cut off in one line (each line of the three-phase & three-line) or two lines(any two lines of the three- phase & four-line);
3. Indicative function for phase loss or voltage indication;
4. The signal will display after it test;
5. Each user(meter) responds to a card, well protect from forgery;
6. Once the remanining electric power quality is approaching the alarming power quality, the digital tube should be lighted to remind user of timely purchasing;
7. Once the electric consumption is not available, it should be auto cut-off;
8. Data-copy function make the electricity department easier to manage;
9. Auto cut-off overload;
10. Load switch is installed outside, relay control inside (contact capacity is 250VAC/5A);
11. The IC card power selling control system has the function of power selling and using control;
12. Expansible RS485.

Specifications

Rated current (A)	Rated voltage (V)	Rated Frequency (Hz)	Accuracy Class
3×1.5(6), 3×5(20) 3×10(40), 3×15(60) 3×20(80), 3×30(100)	Three-phase three-wire 3×100V or 3×380V Three-phase four-wire 3×220/380V or 3×57.7/100V	50 or 60	Class 1 or class 2

Overall and mounting dimensions(mm)



DDS226D-1P M Single-phase Din-rail Energy Meter (One Module with RS485)

General

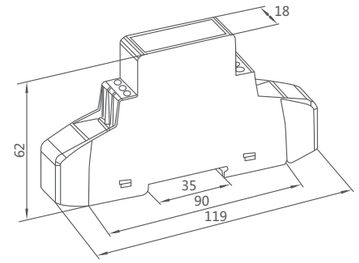
The meter is designed to measure single phase two wire AC active energy like residential, utility and industrial application. It has remote read communication port RS485. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

Basic Function

1. LCD display with backlight;
2. Bi-directional total active energy, reverse active energy measure in the total active energy;
3. The meter also display real voltage, real current, real power, real power factor, real frequency, import active energy, export active energy;
4. Keypad for LCD display step by step
5. Reset energy function (the reset energy kWh display is dependent with the total energy display, this reset will not affect the total energy)
6. RS485 communication port , MODBUS-RTU protocol
7. Pulse LED indicates working of meter, Pulse output with optical coupling isolation
8. Energy data can store in memory chip more than 15 years after power off
9. 35mm din rail installation

Specifications

Technical Index	Specification
Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8~1.2Un
Rate Current	5(40)A,5(45)
Frequency	50Hz or 60Hz +10%
Connection mode	Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<1W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
Over current withstand	30Imax for 0.01s
IP grade	IP20
Constant	2000 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms 5~27VDC, Max current input 27mA DC
Communication port	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.
Executive standard	DIN 43880, IEC62053-21, IEC62052-11, MODBUS-RTU
Outline dimension L×M×H	119×18×62mm (long terminal cover)
Weight	Approx 0.09kg



DDS226D-1P Single-phase Din-rail Energy Meter

General

DDS226D-1P single phase DIN-rail watt-hour meter is a kind of new style single phase electrical watt-hour meter, it adopts micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques etc. The meter completely accord with relevant technical requirements of class 1 and class 2 single phase energy meter stipulated in National Standard GB/T17215-2002 and International Standard IEC62053-21(IEC61036). It can accurately and directly measure 50/60Hz active energy consumption from single phase AC electricity net, it can display total energy consumption by step type impulse register. It has following features: good reliability, small volume, light weight, specious appearance, convenient installation, etc.

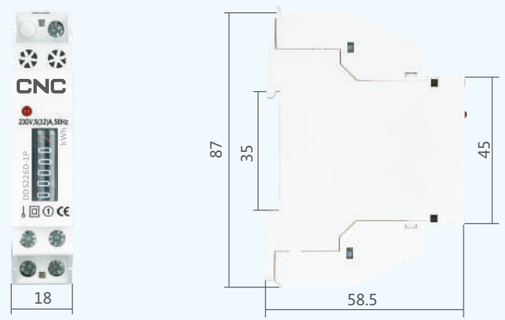
Function and features

1. 35 mm standard DIN rail installation, complying with standard DIN EN5002
2. 18 mm width, complying with standard DIN43880
3. May select step motor type impulse register display (5+1) 99999.9kwh or LCD digital display 99999.9kwh(5+1), 999999.9keh(6+1), 99999.99kwh(5+2)
4. Standard configuration one port of pulse output passive(polarity)
5. Standard configuration one neutral(N) wire connect, may select two neutral wire connect(N-in, N-out) (as special required)
6. LCD display meter can select 9999999wh(equal to 9999.999kwh), which suit to measure small power consumption(as special required)

Specifications

Type	Accuracy Class	Rated Voltage (V)	Rated Current (A)	Staring Current	Insulation Performance
DDS226D-1P	Class 1	220V, 230V 240V	5(25)A, 5(30)A 5(32)A	0.4%Ib	AC voltage 2KV for 1 min, impulse voltage 6KV

Overall and mounting dimensions(mm)



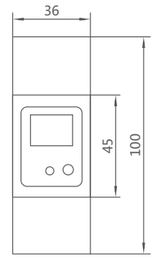
DDS226D-2P Single-phase Din-rail Energy Meter

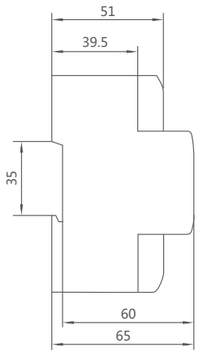
General

The meter is designed to measure single phase two wire AC active energy like residential, utility and industrial application. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume .

Basic Function

1. LCD display 5+1(default) or 4+2 kWh, Display;
2. Bi-directional total active energy measurement, reverse active energy measure in the total active energy;
3. Pulse LED indicates working of meter, Passive pulse output with optical coupling isolation;
4. Energy data can store in memory chip more than 15 years after power off;
5. 35mm din rail installation.





Specifications

Technical Index	Specification
Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8~1.2Un
Rate Current	5(65)A, 10(100)A, or special required
Frequency	50Hz or 60Hz +10%
Connection mode	Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<1W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
Over current withstand	30Imax for 0.01s
IP grade	IP20
Constant	1000~2000 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms 5~27VDC, Max current input 27mA DC
Executive standard	DIN 43880, IEC62053-21, IEC62052-11
Outline dimension L×M×H	100×36×65mm
Weight	Approx 0.14kg

DDS226D-4P RS485 Single-phase Din-rail Energy Meter

General

The meter is designed to measure single phase two wire AC active energy like residential, utility and industrial application. It has remote read communication port RS485. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

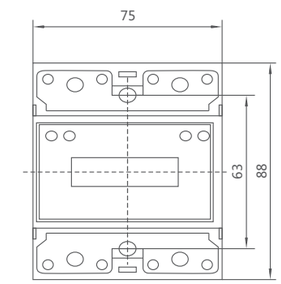
Basic Function

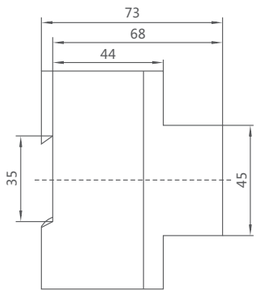
1. LCD display, touch button for LCD display step by step;
2. Bi-directional total active energy measurement, reverse active energy measure in the total active energy;
3. The meter also display real voltage, real current, real power, real power factor, real frequency, import active energy, export active energy, resettable interval energy;
4. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
5. Power on LED indication;
6. RS485 communication port, MODBUS-RTU protocol;
7. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
8. Energy data can store in memory chip more than 15 years after power off;
9. 35mm din rail installation.

Optional Function

1. LCD display with battery when power off;
2. Remote control on/off with internal 60A magnetic latching relay.

Specifications





Technical Index	Specification
Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8~1.2Un
Rate Current	1.5(6)A,5(30)A,10(40)A,5(60)A,10(100)A or other as required
Frequency	50Hz or 60Hz +10%
Connection mode	Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<0.5W/8VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
Over current withstand	30Imax for 0.01s
IP grade	IP20
Constant	1600~3200 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms
Technical Index	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.
Executive standard	DIN 43880, IEC62053-21, IEC62052-11, MODBUS-RTU
Outline dimension L×M×H	75×88×73mm
Weight	Approx 0.36kg

DDS226D-4P WIFI Din-rail Single-phase Meter

General

The meter is designed to measure single phase two wire AC active energy variable parameter like residential, utility and industrial application. It has remote read communication port RS485 and WIFI. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume .

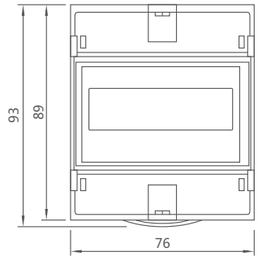
Basic Function

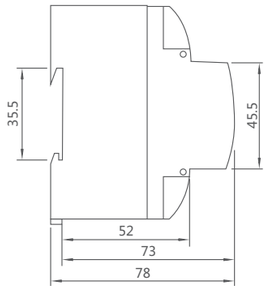
1. LCD display, touch button for LCD display step by step;
2. Bi-directional total active energy ,reverse active energy measure in the total active energy;
3. The meter also display real voltage, real current, real power, real power factor, real frequency, import active energy, export active energy;
4. Overvoltage protection ,overload protection;
5. Timing and delay control by mobile phone;
6. RS485 communication port, MODBUS-RTU protocol;
7. WIFI communication, can read and remote control by mobile phone;
8. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
9. Energy data can store in memory chip more than 15 years after power off;
10. 35mm din rail installation , bottom type wire connection.

Optional Function

Select outer WIFI antenna.

Specifications





Technical Index	Specification
Rate voltage	110V~270V(wide voltage operation)
Working voltage range	0.8~1.2Un
Rate Current	5(60)A
Frequency	50Hz or 60Hz +10%
Connection mode	Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<0.5W/5VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
Over current withstand	30Imax for 0.01s
IP grade	IP20
Constant	1600~3200 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms
Communication port	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.
Executive standard	DIN 43880, IEC62053-21, IEC62052-11, MODBUS-RTU
Outline dimension L×M×H	93×76×78mm
Technical Index	Approx 0.36kg

DDS226D-4P Single-phase Din-rail Energy Meter

General

DDS226D-4P type single-phase din-rail energy meter can accurately and directly measure 50Hz/60Hz active energy consumption from single phase AC electricity net with functions of good reliability, small volume, light weight, specious appearance, convenient installation, etc. All of the performances accord with the National Standard GB/T17215.321-2008 and International Standard IEC62053-21.

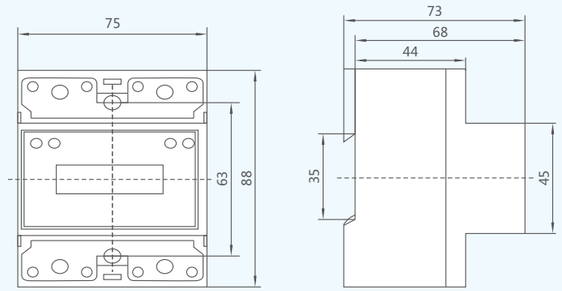
Function and features

1. Measuring single phase total active energy power.
2. May select step motor type impulse register display 5+1 digits (99999.9KWh) or LCD 5+2 digits display, LCD 5+2(99999.99KWh), 5+1 digits(99999.9KWh) and 6+1 (999999.9KWh);
3. Passive impulse output, comply to DIN43864 Standard;
4. Two LED indicate power condition and energy impulse signal;
5. 35mm standard DIN rail installation

Specifications

Technical Index		Specification
Input	Voltage	110V/120V/220V/230V/240V
		Rated value: 0.8-1.15Un
		Power comsumption: 0.8W/10VA
	Current	1.5(6)A,2.5(10)A,5(20)A,10(40)A,10(50)A,15(60)A,20(80)A, 30(100)A, others can be customized.
		Starting current: 0.4%Ib
		Power consumption:≤2VA
	Accuracy	±1%
Energy power impulse		Passive impulse output
		Impulse constant: 800-3200imp/kwh
		Pulse width: 80ms±5ms
Ambience		Working temperature: -25℃-+55℃
		Storage temperature: -40℃-+70℃

Overall and mounting dimensions(mm)



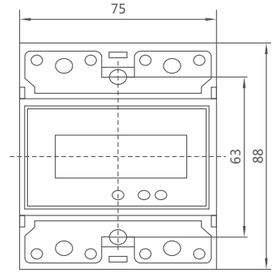
DDS226D-4P M Single-phase Din-rail Multi-function Energy Meter

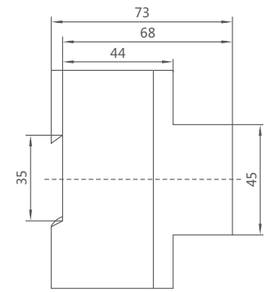
General

The meter is designed to measure single phase two wire AC active energy variable parameter like residential, utility and industrial application. It has remote read communication port RS485. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

Basic Function

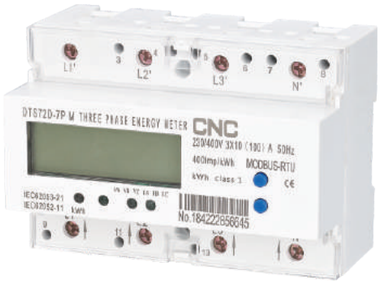
1. LCD display with blue backlight;
2. Bi-directional total active energy, reverse active energy measure in the total active energy;
3. The meter also display real voltage, real current, real power, real power factor, real frequency, import active energy, export active energy;
4. Keypad for LCD display step by step;
5. RS485 communication port, MODBUS-RTU protocol;
6. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
7. Energy data can store in memory chip more than 15 years after power off;
8. 35mm din rail installation.





Specifications

Technical Index	Specification
Rate voltage	110V, 120V, 220V, 230V, 240V
Working voltage range	0.8~1.2Un
Rate Current	5(60)A, 10(100)A, or special required
Frequency	50Hz or 60Hz +10%
Connection mode	Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<0.5W/8VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
Over current withstand	30Imax for 0.01s
IP grade	IP20
Constant	800~3200 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms
Communication port	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.
Executive standard	DIN 43880, IEC62053-21, IEC62052-11, MODBUS-RTU
Outline dimension L×M×H	75×88×73mm
Weight	Approx 0.36kg



DTS726D-7P, DSS726D-7P M Three-phase Din-rail Mount Multi-function Energy Meter

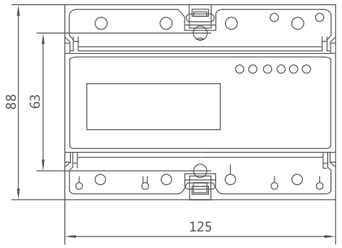
General

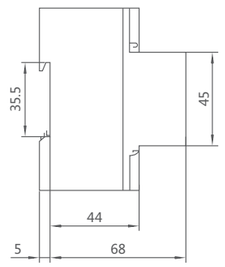
The meter is used in three phase four wire power grid. The meter is designed to measure AC active energy and variable parameter. All of its functions comply with the relative technical requirement for class 1 three phase watt hour meter in IEC61036 and its data communication rules obey the requirement of DL/T645 or MODBUS-RTU. It is a long life meter with the advantage of high stability , high over load capability , low power loss and small volume.

Basic Function

1. LCD display with backlight;
2. Bi-directional total active energy measurement, reverse active/ energy measure in the total active/reactive energy;
3. The meter also display real voltage, real current, real power, real power factor, real frequency, import active energy, export active energy;
4. Keypad for LCD display step by step;
5. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
6. Loss phase indication in LCD;
7. Energy data can store in memory chip more than 15 years after power off;
8. RS485 communication port, MODBUS-RTU protocol;
9. 35mm din rail installation.

Specifications





Technical Index	Specification
Rate voltage	DTS726D-7P, DSS726D-7P M three phase four wire 3×127/220V, 3×120/208V, 3×220/380V, 3×230/400V, 3×240/415V
	DTS726D-7P, DSS726D-7P M three phase three wire(two phase three wire) 2×120/208V, 2×127/220, 3×220V, 3×380V, 3×100V
Working voltage range	0.8~1.2Un
Rate Current	5A/CT,1.5(6)A, ,5(60)A,10(100)A,or other as required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<0.5W/5VA /each phase
Start current	0.004Ib
Impulse Voltage	6kV 1.2μs waveform
Over current withstand	30Imax for 0.01s
IP grade	IP20
Constant	400~6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms
Communication port	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.
Executive standard	DIN 43880, IEC62053-21, IEC62052-11,MODBUS-RTU
Work temperature	-30℃~70℃
Outline dimension L×M×H	125×88×73mm
Weight	Approx 0.7kg

DTS726D-7P, DSS726D-7P RS485 Three-phase Din-rail Mount Active Energy Meter

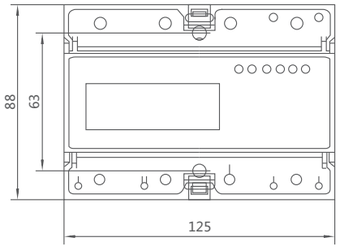
General

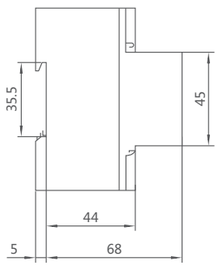
The meter is used in three phase four wire/three phase three wire /two phase three wire power grid. The meter is designed to measure AC active energy. All of its functions comply with the relative technical requirement for class 1 three phase watt hour meter in IEC62053-21. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

Basic Function

1. LCD display 6+2;
2. Bi-directional total active energy measurement ,reverse active energy measure in the total active energy;
3. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
4. Loss phase LED indication, Reverse connection LED indication;
5. RS485 communication port, MODBUS-RTU protocol;
6. Energy data can store in memory chip more than 15 years after power off;
7. 35mm din rail installation.

Specifications





Technical Index	Specification
Rate voltage	DTS726D-7P, DSS726D-7P RS485 three phase four wire 3×127/220V, 3×120/208V, 3×220/380V, 3×230/400V, 3×240/415V
	DTS726D-7P, DSS726D-7P RS485 three phase three wire(two phase three wire) 2×120/208V, 2×127/220, 3×220V, 3×380V, 3×400V
Working voltage range	0.8~1.2Un
Rate Current	5A/CT, 1.5(6)A, 5(30)A,5(60)A,10(100)A or other as required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<0.5W/5VA /each phase
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
IP grade	IP20
Constant	400~6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80+5 ms
Communication port	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.
Executive standard	DIN 43880, IEC62053-21, IEC62052-11
Work temperature	-30℃~70℃
Outline dimension L×M×H	125×88×73mm
Weight	Approx 0.7kg

DTS726D-7P, DSS726D-7P Three-phase Din-rail Energy Meter

General

DTS726D-7P, DSS726D-7P three phase Din-rail watt-hour meter is a kind of new style, the meter is completely according with relevant technical requirements of class 1 and class 2 three-phase energy meter stipulated in International standard IEC62053-21(IEC61036). It can accurately and directly measure active energy consumption from three phase AC electricity net, also can display total energy consumption by step type impulse register or LCD display. It has following features: good reliability, small volume, light weight, specious appearance, convenient installation, etc.

Function and features

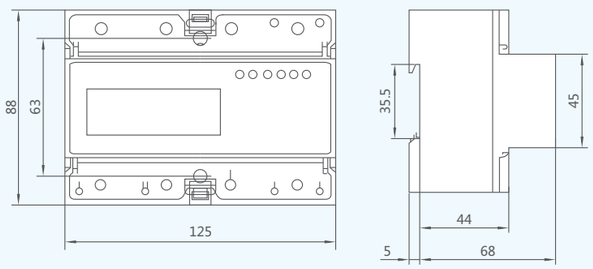
1. 35mm Din-rail installation or install on the board
2. May select step motor type impulse register display 5+1 digits (99999.9KWh) or LCD 5+2 digits display, LCD 5+2(99999.99KWh), 5+1 digits(99999.9KWh) and 6+1 (999999.9KWh);
3. Passive impulse output, comply with DIN53864
4. LED indicates impulse, phase loss and inverse current
5. Low-frequency impulse output (can be added by user's requests)

Specifications

Type	Accuracy Class	Specification		Test Impulse	Display Type
DSS726D-7P three phase three wire active energy watt-hour meter	Class1 or Class2	3×100V 3×380V	3×1.5(6)A	As per nameplate	Step register LED register LCD register
			3×5(20)A		
			3×10(40)A		
DSSX726D-7P three phase three wire reactive energy watt-hour meter			3×10(60)A		
			3×10(80)A		
			3×10(100)A		
DTS726D-7P three phase four wire active energy watt-hour meter	Class1 or Class2	3×230/440V 3×220/380V 3×57.7/100V	3×1.5(6)A		
			3×5(20)A		
			3×10(40)A		
DTSX726D-7P three phase four wire reactive energy watt-hour meter			3×10(60)A		
			3×10(80)A		
			3×10(100)A		

Noting: 3×1.5(6)A can connect directly or connect through current transformer.

Overall and mounting dimensions(mm)



Yc-96/ Yc-72 Ac A Electromagnetic Series (moving iron) Ac Ammeter

Accuracy class: 1.5(The DC 60A or more is 2.5)
Specifications:
0.5A 1A 1.5A 3A 5A 7.5A 10A 15A 20A 25A 30A 40A 50A 60A 80A 100A
More than 100A connecting inferior 5A or 1A of current transformer outside

YC-96/ YC-72 AC V Electromagnetic Series (moving iron) AC Voltmeter

Accuracy class: 1.5
Specifications:
30V 50V 75V 100V 120V 150V 200V 250V 450V 500V 600V
More than 600V connecting inferior 100V of voltage transformer outside.

YC-96/ YC-72 DC A Electromagnetic Series (moving coil) DC Ammeter

Accuracy class: 1.5
Specifications:
50uA 100uA 150uA 500uA 1mA 2mA 5mA 10mA 20mA 30mA 50mA 75mA 100mA 150mA 200mA 250mA 300mA 500mA 1A 2A 3A 7.5A 10A 20A 30A 50A 60A.
More than 20A connecting 50mV,60mV or 75mV of shunt Outside.

YC-96 DC V Electromagnetic Series (moving coil) DC Voltmeter

Accuracy class: 1.5
Specifications:
50mV 60mV 75mV 100mV 3V 5V 7.5V 10V 15V 20V 30V 50V 75V 100V 120V 150V 200V 250V 300V 400V 450V 500V 600V,
More than 600V connecting with Quota Resistors (Rated current 1mA)

YC-96 Hz/ YC-72 Hz Pointer Frequency Table

Accuracy class: 0.5 or 1.0
Voltage: 110V, 220V, 380V, 415V, 440V
Frequency: 45-55Hz, 45-65Hz, 55-65Hz, 47-53Hz, 57-63Hz

YC-96/ YC-72 HZ Vibrating Reed Frequency Table

Accuracy class: 1.0
Voltage: 110V, 220V, 380V, 415V, 440V
Frequency: 45-55Hz, 45-65Hz, 55-65Hz, 47-53Hz, 57-63Hz

YC-96/ YC-72 COS Power Factor Meter

Accuracy class: 2.5
Three-phase voltage: 110V, 220V, 380V, 415V, 440V/1A or 5A
Single phase voltage: 110V,220V/1A or 5A
Frequency: 50/60Hz
Specifications: 0.5cap-1-0.5ind

YC-96/ YC-72 KW Power Meter

Accuracy class: 1.5
Single phase voltage: 100V, 110V, 220V
Three-phase three-wire voltage: 100V, 110V, 220V, 380V, 415V(Balanced load or unbalanced load)
Current: Input Current more than 10A connecting inferior 1A or 5A of current tranformer outside, otherwise allowing direct access according to the current value.
Frequency: 50/60Hz

YC-96 KW Power Meter

Accuracy class: 1.5
Three-phase four-wire voltage: 100V, 110V, 220V, 380V, 415 (Balanced load or unbalanced load)
Current: Input Current more than 10A connecting inferior 1A or 5A of current tranformer outside, otherwise allowing direct access according to the current value.
Frequency: 50/60Hz
Specifications: 100W, 200W...1KW, 2KW...1MW, 2MW...6MW.

YC-96/ YC-72 MD Maximum Demand Vector Table (double needle table)

Accuracy class:3.0
Specifications: 8 minutes 1A, 15 minutes 1A, 30 minutes 1A, 8 minutes 5A, 15 minutes 5A, 30 minutes 5A (As long as the input signal is the same, the dail can arbitrary change according to the change of transformer,accuracy unchanged)

96 Type Maximum Demand Vector Table (three needle table) YC-96 2MD

Accuracy class: 3.0, Instantaneous ammeter 1.5 degree
Specifications: 8 minutes 1A, 15 minutes 1A, 30 minutes 1A, 8 minutes 5A, 15 minutes 5A, 30 minutes 5A (As long as the input signal is the same, the dail can arbitrary change according to the change of transformer, accuracy unchanged).

YC-96/ YC-72 H Cumulative schedule

Maximum display: 99999.99
Voltage: DC12V, 24V; AC110V, 220V, 380V
Frequency: 50/60Hz

YC-96/ YC-72 L DC A 240° Electromagnetic Series (moving coil) DC Ammeter

Accuracy class: 1.5
Specifications: 100uA 150uA 500uA 1mA 2mA 5mA 10mA 20mA 30mA 50mA 75mA 100mA 150mA 200mA 250mA 300mA 500mA 1A 2A 3A 7.5A 10A 15A
More than 20A connecting 50mV,60mV or 75mV of shunt Outside.

YC-96/ YC-72 L DC V 240° Electromagnetic Series (moving coil) DC Voltmeter

Accuracy class: 1.5
Specifications: 50mV 60mV 75mV 100mV 3V 5V 7.5V 10V 15V 20V 30V 50V 75V 100V 120V 150V 200V 250V 300V 400V 450V 500V 600V,
More than 600V connecting with Quota Resistors (Rated current 5mA)

YC-96/ YC-72 L HZ 240°Frequency Table

Accuracy class: 1.0
Voltage: 110V, 220V, 380V, 415V, 440V
Frequency: 45-55Hz, 45-65Hz, 55-65Hz, 47-53Hz, 57-63Hz, 450-550Hz, 450-650Hz, 550-650Hz.

YC-96/ YC-72 L COS 240°Power Factor Meter

Accuracy class: 2.5
Three-phase voltage: 110V, 220V, 380V, 415V, 440V/1A or 5A
Single phase voltage: 110V, 220V/1A or 5A
Frequency: 50/60Hz
Specifications: 0.5cap-1-0.5ind, 0.4cap-1-0.4ind.

YC-96/ YC-72 L KW 240°Power Meter

Accuracy class: 1.5
Single phase voltage: 100V, 110V, 220V
Three-phase three-wire voltage: 100V, 110V, 220V, 380V (Balanced load or unbalanced load)
Three-phase four-wire voltage: 100V, 110V, 220V, 380V, 415V (Balanced load or unbalanced load)
Specifications: 100W, 200W...1KW, 2KW...1MW, 2MW...6MW.

YC-48 AC A Electromagnetic Series (moving iron) AC Ammeter

Accuracy class: 1.5 (The DC 60A or more is 2.5)
Specifications:
0.5A 1A 1.5A 3A 5A 7.5A 10A 15A 20A 25A 30A 40A 50A 60A 80A 100A
More than 100A connecting inferior 5A or 1A of current transformer outside

YC-48 AC V Electromagnetic Series (moving iron) AC Voltmeter

Accuracy class: 2.5
Specifications:
30V 50V 75V 100V 120V 150V 200V 250V 450V 500V 600V
More than 600V connecting inferior 100V of voltage transformer outside.

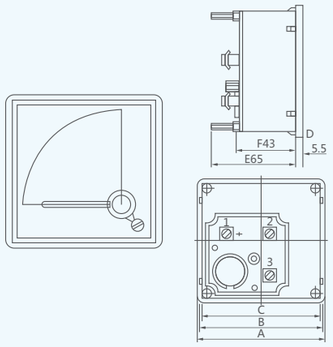
YC-48 L DC A 240°Electromagnetic Series (moving coil) DC Ammeter

Accuracy class: 2.5
Specifications:
100uA 150uA 500uA 1mA 2mA 5mA 10mA 20mA 30mA 50mA 75mA 100mA 1A 2A 3A 7.5A 10A 20A 30A 50A
More than 20A connecting 50mV,60mV or 75mV of shunt Outside.

YC-48 DC V Electromagnetic Series (moving coil) DC Voltmeter

Accuracy class: 2.5
Specifications:
50mV 60mV 75mV 100mV 3V 5V 7.5V 10V 15V 20V 30V 50V 75V 100V 120V 150V 200V 250V 300V 400V 450V 500V 600V,
More than 600V connecting with Quota Resistors (Rated current 1mA)

Outline and Dimensions

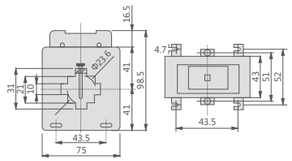


Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Hole Size
YC-120	120	112	112	55	65	43	113×113
YC-96	96	91	90	55	65	43	92×92
YC-82	82	76	75	55	65	43	76×76
YC-72	72	67	66	55	65	43	68×68
YC-48	48	43	42	55	65	43	44.5×44.5
YC-99T1	48	43	42	55	65	43	44.5×44.5

General technical data and dimensions

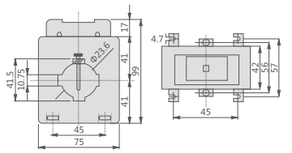
MSQ-30

Current ratio (A)	Capacity (VA) class 0.5	Capacity (VA) class 1.0	Mandrel turns	Overall and mounting dimensions (mm)
30/5		1.0	1	
40/5		1.0	1	
50/5		1.0	1	
60/5	1	1.0	1	
75/5	1.5	1.5	1	
80/5	2.5	2.5	1	
100/5	5	5	1	
150/5	5-10	5-10	1	
200/5	5-10	5-10	1	
250/5	5-10	5-10	1	
300/5	5-10	5-10	1	



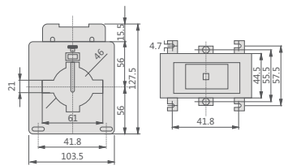
MSQ-40

Current ratio (A)	Capacity (VA) class 0.5	Capacity (VA) class 1.0	Mandrel turns	Overall and mounting dimensions (mm)
100/5	2.5	2.5	1	
150/5	3	3	1	
200/5	5	5-10	1	
250/5	5-10	5-10	1	
300/5	5-10	5-10	1	
400/5	5-10	5-10	1	
500/5	5-10	5-10	1	



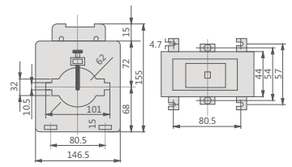
MSQ-60

Current ratio (A)	Capacity (VA) class 0.5	Capacity (VA) class 1.0	Mandrel turns	Overall and mounting dimensions (mm)
250/5	5	5	1	
300/5	5	5	1	
400/5	5-10	5-10	1	
500/5	5-10	5-10	1	
600/5	10-15	10-15	1	
750/5	10-15	10-15	1	
800/5	10-15	10-15	1	
1000/5	15	15	1	



MSQ-100

Current ratio (A)	Capacity (VA) class 0.5	Capacity (VA) class 1.0	Mandrel turns	Overall and mounting dimensions (mm)
1500/5	15	15	1	
1600/5	15	15	1	
2000/5	15	15	1	
2250/5	15	15	1	
2500/5	15	15	1	
3000/5	15	15	1	



Applicable scope

RCT type is indoor type current transformer. It is suitable for using in the circuit that rated voltage up to 0.5kv, frequency 50 Hz to do the current, power measuring or relay production. This molded case current transformer has small size and light weight, panel fixing.

Code and Implication

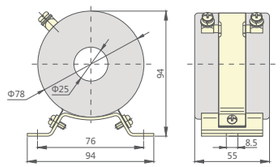
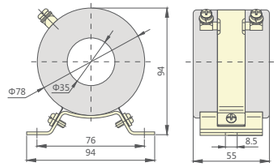
R CT - □

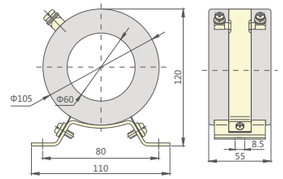
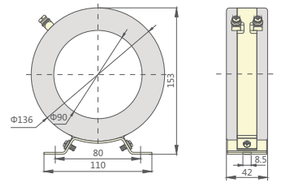
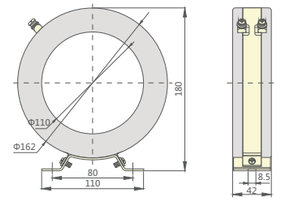
- Mandrel aperture
- Current transformer
- Annulus

Working and installation environment

1. Working place: Indoor
2. Ambient temperature: -5℃~40℃
3. Humidity: < 80%
4. Altitude: < 1000m
5. Atmospheric conditions: no serious pollution

General technical data and dimensions

	Current ratio (A)	Capacity (VA) class 0.5	Capacity (VA) class 1.0	Mandrel turns	Overall and mounting dimensions (mm)
 RCT-25	75/5	2.5	2.5	1	
	100/5	2.5	2.5	1	
 RCT-35	75/5	2.5	2.5	1	
	100/5	2.5	2.5	1	
	150/5	5	5	1	
	200/5	5	5	1	
	250/5	5	5	1	
	300/5	5	5	1	

	Current ratio (A)	Capacity (VA) class 0.5	Capacity (VA) class 1.0	Mandrel turns	Overall and mounting dimensions (mm)
 RCT-60	400/5	5	5	1	
	500/5	10	10	1	
	600/5	10	10	1	
	750/5	10	10	1	
	800/5	10	10	1	
	1000/5	10	10	1	
	1200/5	10	10	1	
 RCT-90	800/5	10	10	1	
	1000/5	10	10	1	
	1200/5	10	10	1	
	1500/5	10	10	1	
	1600/5	10	10	1	
 RCT-110	1500/5	10	10	1	
	1600/5	10	10	1	
	2000/5	20	20	1	
	2500/5	20	20	1	
	3000/5	20	20	1	

Notice for ordering

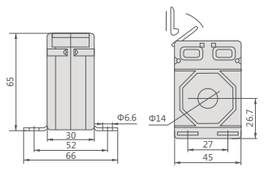
Following information should be specified when ordering:

1. Type and window width
2. Current ratio
3. Accuracy
4. Also could be customized according to customer's requirement.

General technical data and dimensions

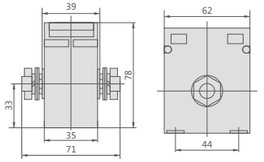
YCP-45/14

Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
30/5	1				2	
40/5	1				2	
50/5		1.5			1	
60/5		2.5			1	
75/5		2.5			1	
80/5		2.5			1	
100/5		2.5			1	



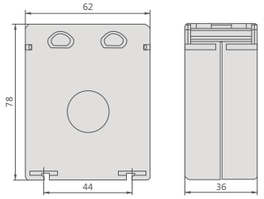
YCP-62/WS

Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
5/5		5	5		1	
10/5		5	5		1	
30/5		5	5		1	
40/5		5	5		1	
50/5		5	5		1	
60/5		5	5		1	
75/5		5	5		1	
80/5		5	5		1	



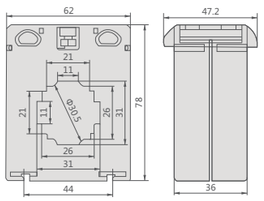
YCP-62/20

Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
30/5	1.5				2	
40/5		1.5			2	
50/5		2.5			2	
60/5		2.5			1	
75/5		2.5			1	
80/5		2.5			1	
100/5		2.5			1	
150/5		5			1	



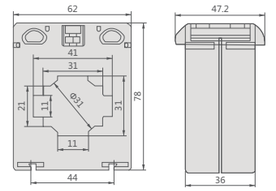
YCP-62/30

Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
40/5		1.5			1	
50/5		1.5			1	
60/5		1.5			1	
75/5		1.5			1	
80/5		1.5			1	
100/5			2.5		1	
150/5			2.5		1	
200/5			5		1	
250/5			5		1	
300/5			5		1	



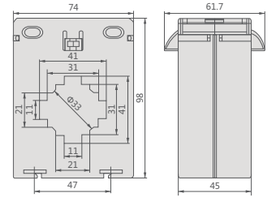
YCP-62/40

Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
150/5		2.5			1	
200/5		5			1	
250/5			5		1	
300/5			5		1	
400/5			5		1	
500/5			5		1	
600/5			7.5		1	



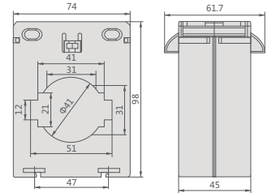
YCP-74/40

Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
200/5			5		1	
250/5			5		1	
300/5			5		1	
400/5			5		1	
500/5			10		1	
600/5			10		1	
800/5			10	5	1	



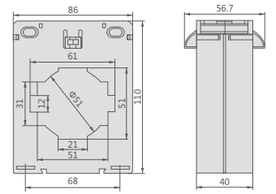
YCP-74/50

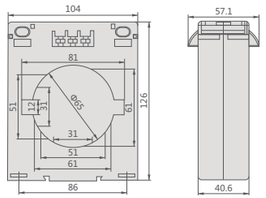
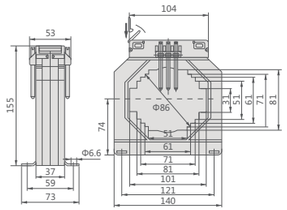
Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
300/5		10			1	
400/5		10			1	
500/5		10			1	
600/5		15			1	
800/5		15	5		1	
1000/5		15	5		1	



YCP-86/60

Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
500/5		10			1	
600/5		10			1	
800/5		10	5		1	
1000/5		15	5		1	
1200/5		15	5		1	
1500/5		15	5		1	



	Current ratio (A)	Capacity (VA) class 3.0	class 1.0	class 0.5	class 0.2	Mandrel turns	Overall and mounting dimensions (mm)
 YCP-104/80	800/5			15	5	1	
	1000/5			15	5	1	
	1200/5			30	5	1	
	1500/5			30	10	1	
	1600/5			30	10	1	
	2000/5			30	10	1	
 YCP-104/100	800/5			15	5	1	
	1000/5			15	5	1	
	1200/5			15	5	1	
	1500/5			20	5	1	
	1600/5			20	10	1	
	2000/5			30	15	1	
	2500/5			30	15	1	
	3000/5			*30	*15	1	

* Long term use of 100% rated primary current, order has to be specified

Overview

MR series current transformer is a low cost of transformer which wrapped with insulating tape, with six specifications, widely used in southeast Asian countries.

Feature

1. According to customers' requirements，it can be installed with or without feet, terminal cover.
2. Economic.
3. A current from 30A to 5000A.

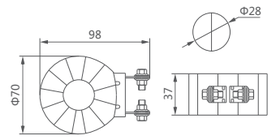
Technical parameters

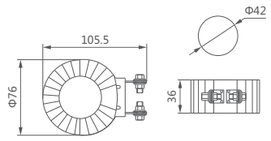
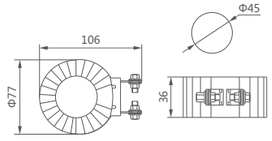
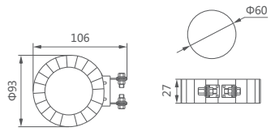
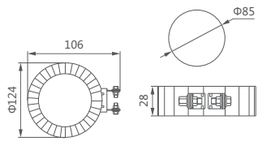
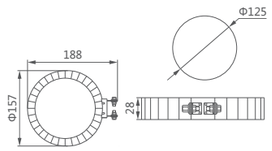
Rated frequency	50/60Hz
Withstand voltage	AC3kV (1min)
The rated thermal current	60In
Current action	2.5Ith
The rated voltage	AC0.72kV
overload	1.2In
Working temperature range	-10℃~50℃
Flame retardant grade	V0
Instrument security coefficient	FS 5
The secondary current	5A, 1A

Other parameters, please contact us.

Standards

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006.

	Current ratio (A)	Load(VA) Precision:0.5	Precision:1.0	Case pack	Overall and mounting dimensions (mm)
 MR-28	50/5	-	1.5	50	
	60/5	-	1.5	50	
	75/5	-	1.5	50	
	100/5	1.5	2.5	50	

	Current ratio (A)	Load(VA) Precision:0.5	Load(VA) Precision:1.0	Case pack	Overall and mounting dimensions (mm)
 MR-42	100/5	1.5	2.5	40	
	150/5	1.5	2.5	40	
	200/5	2.5	5	40	
	250/5	3.75	5	40	
	300/5	3.75	5	40	
 MR-45	250/5	3.75	5	50	
	300/5	5	7.5	50	
	400/5	5	7.5	50	
 MR-60	300/5	3.75	5	54	
	400/5	5	7.5	32	
	500/5	5	10	40	
	600/5	7.5	10	40	
	800/5	7.5	10	54	
 MR-85	600/5	5	10	30	
	800/5	7.5	10	30	
	1000/5	10	15	30	
	1200/5	10	15	30	
	1500/5	10	15	30	
	1600/5	10	15	30	
 MR-125	2000/5	15	20	10	
	2500/5	15	20	10	
	3000/5	15	20	10	
	4000/5	20	30	10	
	5000/5	20	30	10	

Overview

Protection Current Transformer can work well under the current which many times more than the rated and it can also work under many times more than the rated measurement of transformer. When Protection Relays are powered by Protection Current Transformer, it must make sure that the Protection Relays are keeping their normal electrical characteristics under the several times more than rated current which maybe 5 times, 10 times, 20 times or more. Just as we know "constraints of security". So the choose of Protection Current Transformer involve security level and constraints of security. It needs check carefully about relay parameters and the cases of electric circuit such as relay load and aerial wire load.

Feature

1. Primary current from 60A to 5000A.
2. Protection class: 5P10, 10P5, 10P10.

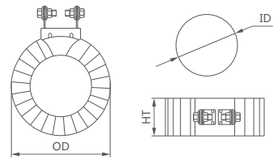
Technical parameters

Rated frequency	50/60Hz
Withstand voltage	AC3kv(1min)
Rated thermal current	60In
Dynamic current	2.5Ith
Rated voltage	AC0.72kv
Overload	1.2In
Operating Temperature Range	-10℃~50℃
Accurate limiting coefficient	5,10,20
Secondary current	5A,1A

If you need other technical parameters, we can special make for you.

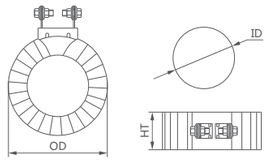
Standards

IEC60044-1, EN60044-1, VDE0414-44-1, GB1208-2006.

	Model	Current ratio (A)	Load (VA)	Size ID	Size OD	Size HT	Overall and mounting dimensions (mm)
 PR 10P5	PR-34 10P5	60/5	15	34	100	148	
	PR-34 10P5	100/5	15	34	100	98	
	PR-34 10P5	150/5	15	34	100	68	
	PR-34 10P5	200/5	15	34	100	58	
	PR-45 10P5	250/5	15	45	96	68	
	PR-45 10P5	300/5	15	45	96	58	
	PR-60 10P5	400/5	15	60	100	58	
	PR-60 10P5	500/5	15	60	100	48	
	PR-65 10P5	600/5	15	65	100	48	
	PR-85 10P5	800/5	15	85	120	38	

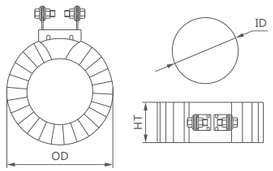
PR 5P10

Model	Current ratio (A)	Load (VA)	Size			Overall and mounting dimensions (mm)
			ID	OD	HT	
PR-34 5P10	60/5	15	30	145	155	
PR-34 5P10	100/5	15	34	100	168	
PR-34 5P10	150/5	15	34	100	108	
PR-34 5P10	200/5	15	34	100	88	
PR-45 5P10	250/5	15	45	96	108	
PR-45 5P10	300/5	15	45	96	98	
PR-60 5P10	400/5	15	60	100	98	
PR-60 5P10	500/5	15	60	100	83	
PR-68 5P10	600/5	15	68	110	68	
PR-85 5P10	800/5	15	85	120	63	
PR-82 5P10	1000/5	15	82	123	55	
PR-82 5P10	1200/5	15	82	123	55	
PR-82 5P10	1600/5	15	82	123	45	
PR-125 5P10	2000/5	15	125	178	35	
PR-125 5P10	2500/5	15	125	178	35	
PR-120 5P10	3000/5	15	120	178	35	
PR-140 5P10	3500/5	15	140	200	35	
PR-140 5P10	4000/5	15	140	200	35	
PR-140 5P10	5000/5	15	140	200	35	



PR 10P10

PR-34 10P10	60/5	15	30	145	165	
PR-34 10P10	100/5	15	34	100	180	
PR-34 10P10	150/5	15	34	100	130	
PR-34 10P10	200/5	15	34	100	110	
PR-45 10P10	250/5	15	45	96	110	
PR-45 10P10	300/5	15	45	96	110	
PR-60 10P10	400/5	15	45	96	90	
PR-60 10P10	500/5	15	60	100	100	
PR-68 10P10	600/5	15	68	110	78	
PR-85 10P10	800/5	15	85	120	78	
PR-82 10P10	1000/5	15	82	123	70	
PR-82 10P10	1200/5	15	82	123	70	
PR-82 10P10	1600/5	15	82	123	60	
PR-125 10P10	2000/5	15	125	178	38	
PR-125 10P10	2500/5	15	125	178	35	
PR-120 10P10	3000/5	15	120	178	35	
PR-140 10P10	3500/5	15	140	200	35	
PR-140 10P10	4000/5	15	140	200	35	
PR-140 10P10	5000/5	15	140	200	35	



Overview

DP Series Separate Current Transformer is specially designed to facilitate installation and install in power grid system. It can be installed without disconnecting the cable or busbar, which could save time and maintenance costs.
Standards: IEC44-1, BS7626, VDE0414, UL94.
DP series is an improved version of DP series. The specially designed terminals make easier installation, more convenient connection. The shell material is PPO instead of PA66, which has better heat resistance and flame retardant performance.

Specification

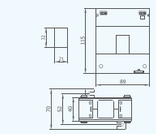
Rated frequency	50/60Hz
Withstand voltage	3kV AC. (1 min)
Rated thermal current	60 In
Dynamic stability current	2.5 Ith
Rated voltage	0.72kV AC.
Overload	1.2 In
Working temperature range	-10℃~50℃
Shell flame retardant grade	V 0
Instrument security coefficient	FS 5
Secondary current	5A, 1A

For other parameters, please contact us

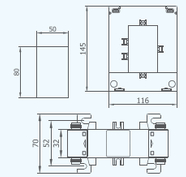
Standards

IEC44-1, BS7626, VDE0414, UL94.

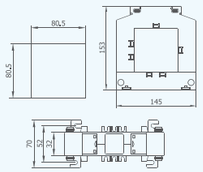
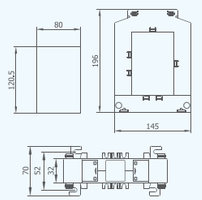
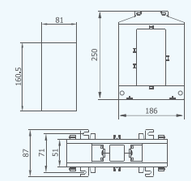
Type	Current ratio (A)	Load(VA)		QTY per carton	Overall and mounting dimensions (mm)
		Precision: 0.5	Precision: 1.0		
DP-23	200/5	-	1.5	20	
DP-23	250/5	-	2.5	20	
DP-23	300/5	1.5	2.5	20	
DP-23	400/5	2.5	3.75	20	



DP-58	250/5	-	1.5	10	
DP-58	300/5	-	2.5	10	
DP-58	400/5	1.5	2.5	10	
DP-58	500/5	2.5	5	10	
DP-58	600/5	2.5	5	10	
DP-58	750/5	2.5	5	10	
DP-58	800/5	3.75	5	10	
DP-58	1000/5	5	10	10	



Standards

Type	Current ratio (A)	Load(VA)		QTY per carton	Overall and mounting dimensions (mm)
		Precision: 0.5	Precision: 1.0		
DP-88	250/5	-	1.5	10	
DP-88	300/5	-	1.5	10	
DP-88	400/5	-	2.5	10	
DP-88	500/5	1.5	2.5	10	
DP-88	600/5	2.5	5	10	
DP-88	750/5	2.5	5	10	
DP-88	800/5	3.75	5	10	
DP-88	1000/5	5	7.5	10	
DP-812	500/5	-	2.5	10	
DP-812	600/5	-	2.5	10	
DP-812	750/5	2.5	5	10	
DP-812	800/5	2.5	5	10	
DP-812	1000/5	3.75	7.5	10	
DP-812	1200/5	5	10	10	
DP-812	1250/5	5	10	10	
DP-812	1500/5	7.5	10	10	
DP-816	1000/5	5	10	5	
DP-816	1500/5	7.5	10	5	
DP-816	2000/5	10	15	5	
DP-816	2500/5	15	20	5	
DP-816	3000/5	20	25	5	
DP-816	4000/5	20	25	5	
DP-816	5000/5	20	25	5	

General Technical Index

Technical parameters			Index
Input	Voltage	Rated value	AC 0~600V
		Over load	Consistent: 1.2 times instantaneous: 2 times/30s
		Comsumption	<0.5VA (each phase)
		Impedance	>500kΩ
	Current	Rated value	AC 1A, 5A
		Over load	Consistent: 1.2 times instantaneous: 2times/1s
		Impedance	<2mΩ
	Frequency		45~65Hz
Measuring accuracy	Voltage, current		±(0.5%FS+one digit)
	Active reactive power		±(0.5%FS+one digit)
	Frequency		±0.1Hz
	Harmonic		The three-phase voltage/current 21 total harmonic content
	Power factor		±0.01PF
	Active energy		±0.5%(only for reference, not for meterage)
	Reactive energy		±1.0%(only for reference, not for meterage)
Power	Scope		AC 220V, 50/60Hz AC/DC 85~265V .....
	Consumption		<5VA
Safety	Withstand voltage	Input and power	>2kV50Hz/1min
		Input and output	>1kV50Hz/1min
		Output and power	>2kV50Hz/1min
	Insulating resistance		Any two of input, output, power, casing>20MΩ
Environment	Temperature		Operation: -10~50℃
			Storage: -25~70℃
	Humidity		≤85%RH, free of wet and corrosive gas
	Elevation		≤3000m

Code and Implication

YC - □ □ □ - □ □ + □

Additional funtion
nDO: switch value output (n=1,2,3,4 channels)
nDI: switch value input (n=1,2,3,4 channels)
nAO: analog quantity output (n=1,2,3,4 channels)
H: harmonic

Measurement parameters (can combine several parameters)
U: Voltage I: Current F: Frequency H: Power factor P: Active power
Q: Reactive power R: Revolutions per minute E: Multifunaction power meter

Phase
Omit: Single-phase or DC 3: Three-phase

Display mode
1: One-row nixietube display 2: Two-row nixietube display
3: Three-row nixietube display 4: Four-row nixietube display
5: Five-row nixietube display Y: LCD display

Function code
K: Programmable meter without RS485 communication
S: Programmable meter with RS485 communication

Shape code
2: 120×120 4: 48×48 5: 96×48 7: 72×72
8: 80×80 9: 96×96 G: modular type

Digital AC/DC Ammeter

Model	Panel dimension	Cutout hole dimension
YC-2K1-I	120×120	112×112
YC-9K1-I	96×96	92×92
YC-8K1-I	80×80	76×76
YC-7K1-I	72×72	68×68
YC-4K1-I	48×48	45×45
YC-5K1-I	96×48	92×45

Input: AC 5A; DC 5A, 75mV, 0/4-20mA, 0-5/10V
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S1-I)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Digital AC/DC Voltmeter

Model	Panel dimension	Cutout hole dimension
YC-2K1-U	120×120	112×112
YC-9K1-U	96×96	92×92
YC-8K1-U	80×80	76×76
YC-7K1-U	72×72	68×68
YC-4K1-U	48×48	45×45
YC-5K1-U	96×48	92×45

Input: AC 0~600V; DC 0~600V, 0/4-20mA, 0-5/10V
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S1-U)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Digital Frequency Meter

Model	Panel dimension	Cutout hole dimension
YC-2K1-F	120×120	112×112
YC-9K1-F	96×96	92×92
YC-8K1-F	80×80	76×76
YC-7K1-F	72×72	68×68
YC-4K1-F	48×48	45×45
YC-5K1-F	96×48	92×45

Input: 30~99Hz(AC 30~500V); DC 0/4-20mA, 0-5/10V
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S1-F)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Single/Three-phase Digital Active Power Meter

Model	Panel dimension	Cutout hole dimension
YC-2K1-P/3P	120×120	112×112
YC-9K1-P/3P	96×96	92×92
YC-8K1-P/3P	80×80	76×76
YC-7K1-P/3P	72×72	68×68
YC-4K1-P/3P	48×48	45×45
YC-5K1-P/3P	96×48	92×45

Input: AC 0~500V, 5A
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S1-P/3P)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Single/Three-phase Digital Power Factor Meter

Model	Panel dimension	Cutout hole dimension
YC-2K1-H/3H	120×120	112×112
YC-9K1-H/3H	96×96	92×92
YC-8K1-H/3H	80×80	76×76
YC-7K1-H/3H	72×72	68×68
YC-4K1-H/3H	48×48	45×45
YC-5K1-H/3H	96×48	92×45

Input: AC 0~500V, 5A
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S1-H/3H)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Three-phase Digital Ammeter

Model	Panel dimension	Cutout hole dimension
YC-2K3-3I	120×120	112×112
YC-9K3-3I	96×96	92×92
YC-8K3-3I	80×80	76×76
YC-7K3-3I	72×72	68×68
YC-4K3-3I	48×48	45×45

Input: AC 5A, 1A;
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S3-3I)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Three-phase Digital Voltmeter

Model	Panel dimension	Cutout hole dimension
YC-2K3-3U	120×120	112×112
YC-9K3-3U	96×96	92×92
YC-8K3-3U	80×80	76×76
YC-7K3-3U	72×72	68×68
YC-4K3-3U	48×48	45×45

Input: AC 0~600V;
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S3-3U)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Single-phase Digital Combined Meter

Model	Panel dimension	Cutout hole dimension
YC-2K3-UIF	120×120	112×112
YC-9K3-UIF	96×96	92×92
YC-8K3-UIF	80×80	76×76
YC-7K3-UIF	72×72	68×68
YC-4K3-UIF	48×48	45×45

Input: AC 0~500V, 5A;
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S3-UIF)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Single-phase Digital Combined Meter

Model	Panel dimension	Cutout hole dimension
YC-2K3-UIP	120×120	112×112
YC-9K3-UIP	96×96	92×92
YC-8K3-UIP	80×80	76×76
YC-7K3-UIP	72×72	68×68
YC-4K3-UIP	48×48	45×45

Input: AC 0~500V, 5A;
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S3-UIP)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Single-phase Digital Combined Meter

Model	Panel dimension	Cutout hole dimension
YC-2K3-UIH	120×120	112×112
YC-9K3-UIH	96×96	92×92
YC-8K3-UIH	80×80	76×76
YC-7K3-UIH	72×72	68×68
YC-4K3-UIH	48×48	45×45

Input: AC 0~500V, 5A;
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz

Additional fuctions
▲ Communication interface: RS485 (YC-□S3-UIH)
▲ 2-channels switch value output (model+2DO)
▲ 1-channels analog quantity output (model+1AO)

Three-phase Digital Combined Meter

Model	Panel dimension	Cutout hole dimension
YC-9K5-3UIF	96×96	92×92

Can choose several addition functions
For example:
YC-9K5-3UIF+4DO4DI4AO
YC-9S5-3UIF+4DO4DI4AO

Input: AC 0~500V, 5A;
Net work: 3P4W or 3P3W
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz
Additional fuctions
▲ Communication interface: RS485 (YC-9S5-3UIF)
▲ 4-channels switch value output (model+4DO)
▲ 4-channels switch value input (model+4DI)
▲ 4-channels analog quantity output (model+4AO)

Three-phase Digital Combined Meter

Model	Panel dimension	Cutout hole dimension
YC-9K5-3UIP	96×96	92×92

Can choose several addition functions
For example:
YC-9K5-3UIP+4DO4DI4AO
YC-9S5-3UIP+4DO4DI4AO

Input: AC 0~500V, 5A;
Net work: 3P4W or 3P3W
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz
Additional fuctions
▲ Communication interface: RS485 (YC-9S5-3UIP)
▲ 4-channels switch value output (model+4DO)
▲ 4-channels switch value input (model+4DI)
▲ 4-channels analog quantity output (model+4AO)

Three-phase Digital Combined Meter

Model	Panel dimension	Cutout hole dimension
YC-9K5-3UIHF	96×96	92×92

Can choose several addition functions
For example:
YC-9K5-3UHF+4DO4DI4AO
YC-9S5-3UHF+4DO4DI4AO

Input: AC 0~500V, 5A;
Net work: 3P4W or 3P3W
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz
Additional fuctions
▲ Communication interface: RS485 (YC-9S5-3UIHF)
▲ 4-channels switch value output (model+4DO)
▲ 4-channels switch value input (model+4DI)
▲ 4-channels analog quantity output (model+4AO)

Multifunctional Power Instrument

Model	Panel dimension	Cutout hole dimension
YC-2S3-3E	120×120	112×112
YC-9S3-3E	96×96	92×92
YC-8S3-3E	80×80	76×76
YC-7S3-3E	72×72	68×68

Can choose several addition functions
For example: YC-9S3-3E+4DO4DI4AOH

Input: AC 0~500V, 5A;
Net work: 3P4W or 3P3W
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz
Communication interface: RS485
Additional fuctions
▲ 4-channels switch value output (model+4DO)
▲ 4-channels switch value input (model+4DI)
▲ 4-channels analog quantity output (model+4AO)
▲ harmonic (model+H)

Multifunctional Power Instrument

Model	Panel dimension	Cutout hole dimension
YC-2SY-3E	120×120	112×112
YC-9SY-3E	96×96	92×92
YC-8SY-3E	80×80	76×76
YC-7SY-3E	72×72	68×68

Can choose several addition functions
For example: YC-9SY-3E+4DO4DI4AOH

Input: AC 0~500V, 5A;
Net work: 3P4W or 3P3W
Accuracy class: 0.5
Auxiliary: AC 220V 50/60Hz
Communication interface: RS485
Additional fuctions
▲ 4-channels switch value output (model+4DO)
▲ 4-channels switch value input (model+4DI)
▲ 4-channels analog quantity output (model+4AO)
▲ harmonic (model+H)

XMTA

XMTD

XMTE

XMTG

Brief introduction

9□□□ series(REX series) intelligent digital display temperature controller adopted the latest plane touch operation and microcomputer control technique. Based on the principle of simpleness, convenience, stability and reliability, this series instruments has great adaptability to the market, and it complies with the international standard and has various installation size.
The series intelligent digital display temperature controller is a kind of economical instrument with high price-property ratio, which can substitute for the general digital display temperature controller. It has many functions such as control, alarm, transformation and transfer. Morecover, It has PID control function.

Characteristic

1. Display PV value and SV value by nd green the high bright red a double-row digital tube.
2. Appointed input by sensing signal.
3. Automatic amend by sensing unit.
4. Function of second class data lock protection.
5. Precise measurement:
   1)±1%FS±one digit
   2)±0.5%FS±one digit
6. Alarm range: free set the complete range
7. Operating power supply:
   1)switch power: 85-264 VAC 50/60Hz
   2)Transformer power supply: AC220V±10%，50/60Hz

Code and Implication

XMT□-9□□□□

- Dimension(width* high)
  A.96×96（92×92）
  D.72×72 (68×68)
  E.48×96 (45×92)
  F.96×48(92×45)
  G.48×48(45×45)
  T.160×80(152×76)
  Hole size in the parentheses
- Input signal
  1-The rmocouple(mv): K.E.J.S.ETS
  2-Thermal resistance(Ω): Cu50, Pt100 ETC
  3-Hall transmitter, CP differential manometer or Voltage
  4-Remote sending manometer
  5-Standard current: 0~10mA 4~20mA
- Alarming function
  0-No alarming function
  1-Upper limit alarming function
  2-Lower limit alarming function
  3-Upper and Lower limit alarming function
- Adjust ways
  0-Two states adjustment
  2-Thress states adjustment
  4-Breaking/connect contact point PID adjustment Driving solid relay PID function
  8-Output three phase zero passage contact signal PID adjustment
  7-Output sigle phase zero passage contact signal PID adjustment
  9-Output 0~10mA ETC current PID adjustment

XMTA

XMTD

XMTE

XMTG

Brief introduction

7□□□ series(REX series) intelligent digital display temperature controller adopted the latest plane touch operation and microcomputer control technique. Based on the principle of simpleness, convenience, stability and reliability, this series instruments has great adaptability to the market, and it complies with the international standard and has various installation size.
The series intelligent digital display temperature controller is a kind of economical instrument with high price-property ratio, which can substitute for the general digital display temperature controller. It has many functions such as control, alarm, transformation and transfer. Morecover, It has PID control function.

Characteristic

1. Display PV value and SV value by nd green the high bright red a double-row digital tube.
2. Appointed input by sensing signal.
3. Automatic amend by sensing unit.
4. Function of second class data lock protection.
5. Precise measurement:
   1)±1%FS±one digit
   2)±0.5%FS±one digit
6. Alarm range: free set the complete range
7. Operating power supply:
   1)switch power: 85-264 VAC 50/60Hz
   2)Transformer power supply: AC220V±10%，50/60Hz

Code and Implication

XMT□-7□□□□

Dimension(width* high) A.96×96（92×92） D.72×72 (68×68) E.48×96 (45×92) F.96×48(92×45) G.48×48(45×45) T.160×80(152×76) Hole size in the parentheses		
	Input signal	1-The rmocouple(mv): K.E.J.S.ETS 2-Thermal resistance(Ω): Cu50, Pt100 ETC
	Alarming function	0-No alarming function 1-Upper limit alarming function 2-Lower limit alarming function 3-Upper and Lower limit alarming function
	Adjust ways	0-Two states adjustment 2-Thress states adjustment 4-Breaking/connect contact point PID adjustment 5-Driving solid relay PID function

Introduction

YC-902

YC-903

YC-905

SC-3

YC-48

YC-48D

YC-C4

YC5C2

YC966

YC965

YC726

YC725

NO.124

NO.125

NO.126

NO.127

NO.128

WRNT-02

WRN-130

WRN-330

Application

Self-healing low voltage shunt power capacitor was used in 50Hz and 60Hz power system, it mainly improver power factor, reduce reactive power loss, improve voltage quality, encavate transformer quantity and so on. It is best saving power products which company highly recommend and work.

This product meets the standards: GB/T 12747-2004, IEC60831-1996

Code and Implication

B S MJ L 0.45 - 15 - 3

- 3 — Phase (3 indicated that three-phase, one that single-phase)
- 15 — Rated capacity (Kvar)
- 0.45 — Rated voltage (0.45kV)
- L — Charged against the coil, the coil is not charged against the non-marked
- MJ — Media code (metallized polypropylene film)
- S — Impregnating agent code-named (S:wax, Z:seeds oil, G:silicon oil, C:castor oil, K:Environmentally friendly)
- B — Series code (B shunt capacitor; M storage capacitor; C series capacitor)

Working Conditions

1. Power capacitor should confirm left voltage reduce to rated voltage 10% to input again after the power was cut off, normally it will need 200s almost. so it would choose the power controller which has input and reput lock time function after cut off the power. If choose normally power controller, it must install speediness discharge power equipment. it would not limited which use adopting same electric factor input and chip switch.
2. Altitude level is not more than 2000m.
3. Temperature type: -25/C low temperature, highest temperature is C type (it would not more than 50℃ the average of temperature is not more than 40℃ within 24 hours, one year average of temperature is not more than 30℃), power capacitor will work within good ventilate condition. It would not permit within sealing and installation condition

Structure Features

1. Volume is small, weight is light easy installation
   Metalized PPA thin film was adopt for medium, it only have 1/4 old products' volume and 1/5 old products' weight
2. Low loss little heating small change the temperature
   New type spray golden craftsmanship and special metalized edge thickness technology was adopted, it can strength the power capacitor anti surge capacity property stability, working life will prolong, power capacitor itself power lost will reduce practice value is low than 0.08%, little heating small change the temperature and good saving power effect
3. Excellence self healing property
   When medium parts was puncture, it can self heal quickly and recover normally work, improving the reliability

4. Safety
   There are discharge resister and insure equipment was inside capacitor, it is reliability to use
5. No leakage oil, Green no pollution
   Wax was immersed liquid, normally it is state, when the temperature is high 70℃, it will unfreeze, there is no leakage oil and no pollution when you use this products. not only have try type's instruction characteristic but also have immersed capacitor advantage. moreover it can make power capacitor work reliability within special immerse craftsmanship
6. Anti corrupt and preventing fake cover, beautiful and substance
   Pressing metal cover we use special double anti corrupt craftsmanship, so it improve the products anti corruption, special anti fake design, exquisite artistic.

Main Technical Data

1. Rated voltage: 230V, 250V, 400V, 450V, 525V, 690V, 750V, 1050V, 1200V, other special voltage please notice it.
   Rated capacity: 0.4~0.69kV 1~60kvar, other voltage class's capacity, please notice it.
   Rated frequency: 50Hz or 60Hz.
   Capacity tolerance: -5%~+10%.
   Loss angle tan δ 0.1% when the temperature is 20℃.
   Anti voltage: between two pole 2.15 time rated voltage is 10s, between two pole 2Un+2kV or 3kV please choose highest value
2. 10s, there is no perpetuity puncture and flash over.
3. Max permit over voltage: 1.1 time rated voltage, the high permit over voltage is not more than 8 hours within 24 hours. 1.15 time rated voltage, it is not more than 30 minute within 24 hours, 1.2 time rated voltage it is not more than 5 minute, 1.3 times rated voltage, it would not more than 1 minute
   Max permit over current: it is permit that the over current is not more than 1.3 time rated current, interim over current it should consider over voltage, capacity positive tolerance and harmonic effect. interim over current is not more than 1.43 times rated current.
   Connection: ΔY type, Y type should draw out through neuter, Ⅲ three section, single phase type, and all kind of connection way. other connection way it will notice when you order it
   Discharge property: the-left voltage will reduce from $\sqrt{2}$ Un to below 50V within 3 minutes when the power cut off.
   Standard: GB/T12747-2004, IEC60831: 212002.

Main Technical Date & Out Line Dimensions Data(Three-phase)

Model BSMJ, BCMJ, BZMJ	Rated volt (kV)	Rated capacity (Kvar)	Rated capacity (μF)	Rated current (A)	H (mm)	Outgoing terminal	Drawing No.
0.4-1-3	0.4	1	19.9	1.4	105	M6	1
0.4-2-3	0.4	2	39.8	2.9	105	M6	1
0.4-3-3	0.4	3	59.7	4.3	125	M6	1
0.4-4-3	0.4	4	79.6	5.8	125	M6	1
0.4-5-3	0.4	5	99.5	7.2	125	M6	1
0.4-6-3	0.4	6	119.4	8.7	125	M6	1
0.4-7.5-3	0.4	7.5	149.2	10.8	125	M6	1
0.4-8-3	0.4	8	159.2	11.6	125	M6	1
0.4-10-3	0.4	10	198.9	14.4	125	M6	1
0.4-12-3	0.4	12	238.7	17.3	180	M6	1
0.4-14-3	0.4	14	278.5	20.2	210	M6	1
0.4-15-3	0.4	15	298.4	21.7	210	M6	1
0.4-16-3	0.4	16	318.3	23.1	210	M6	1
0.4-18-3	0.4	18	358.1	26.0	245	M6	1
0.4-20-3	0.4	20	397.9	28.9	245	M6	1
0.4-22-3	0.4	22	437.7	31.8	210	M8	2

Model BSMJ, BCMJ, BZMJ	Rated volt (kV)	Rated capacity (Kvar)	Rated capacity (μF)	Rated current (A)	H (mm)	Outgoing terminal	Drawing No.
0.4-24-3	0.4	24	477.4	34.6	210	M8	2
0.4-25-3	0.4	25	497.4	36.1	210	M8	2
0.4-28-3	0.4	28	557.3	40.4	260	M8	2
0.4-30-3	0.4	30	596.8	43.3	260	M8	2
0.4-35-3	0.4	35	696.3	50.5	260	M8	2
0.4-40-3	0.4	40	796.2	57.7	330	M8	2
0.4-45-3	0.4	45	895.2	65.0	230	M10	3
0.4-50-3	0.4	50	995.2	72.2	230	M10	3
0.4-55-3	0.4	55	1094.2	79.4	230	M10	3
0.4-60-3	0.45	60	1194.3	86.6	230	M10	3
0.45-1-3	0.45	1	15.7	1.3	105	M6	1
0.45-2-3	0.45	2	31.4	2.6	105	M6	1
0.45-3-3	0.45	3	47.2	3.8	125	M6	1
0.45-4-3	0.45	4	62.9	5.1	125	M6	1
0.45-5-3	0.45	5	78.6	6.4	125	M6	1
0.45-6-3	0.45	6	94.3	7.7	125	M6	1
0.45-7.5-3	0.45	7.5	117.9	9.6	125	M6	1
0.45-8-3	0.45	8	125.8	10.3	125	M6	1
0.45-10-3	0.45	10	157.2	12.8	125	M6	1
0.45-12-3	0.45	12	188.6	15.4	180	M6	1
0.45-14-3	0.45	14	220.1	18.0	210	M6	1
0.45-15-3	0.45	15	235.8	19.2	210	M6	1
0.45-16-3	0.45	16	252.5	20.5	210	M6	1
0.45-18-3	0.45	18	282.9	23.1	210	M6	1
0.45-20-3	0.45	20	314.4	25.7	210	M6	1
0.45-22-3	0.45	22	345.8	28.3	210	M8	2
0.45-24-3	0.45	24	377.3	30.8	210	M8	2
0.45-25-3	0.45	25	393.2	32.1	210	M8	2
0.45-28-3	0.45	28	440.3	35.9	210	M8	2
0.45-30-3	0.45	30	471.8	38.5	210	M8	2
0.45-35-3	0.45	35	550.2	44.9	260	M8	2
0.45-40-3	0.45	40	629.1	51.3	260	M8	2
0.45-45-3	0.45	45	707.7	57.7	230	M10	3
0.45-50-3	0.45	50	786.3	64.2	330	M8	2
0.45-55-3	0.45	55	864.5	70.6	230	M10	3
0.45-60-3	0.525	60	943.6	77.5	230	M10	3
0.525-5-3	0.525	5	57.7	5.5	125	M6	1
0.525-10-3	0.525	10	115.5	11.0	180	M6	1
0.525-15-3	0.525	15	173.2	16.5	210	M6	1
0.525-16-3	0.525	16	184.8	17.6	210	M6	1
0.525-18-3	0.525	18	207.9	19.8	210	M6	2
0.525-20-3	0.525	20	231.0	22.0	210	M6	2
0.525-25-3	0.525	25	288.9	27.5	210	M8	2

Model BSMJ, BCMJ, BZMJ	Rated volt (kV)	Rated capacity (Kvar)	Rated capacity (μF)	Rated current (A)	H (mm)	Outgoing terminal	Drawing No.
0.525-30-3	0.525	30	346.6	33.0	260	M8	2
0.525-40-3	0.525	40	462.2	44.0	330	M8	2
0.525-50-3	0.525	50	577.7	55.0	230	M10	3
0.525-60-3	0.525	60	693.3	66.0	230	M10	3
0.69-5-3	0.69	5	33.4	4.2	125	M6	1
0.69-10-3	0.69	10	66.9	8.4	180	M6	1
0.69-15-3	0.69	15	100.3	12.6	210	M6	1
0.69-16-3	0.69	16	107.0	13.4	210	M6	1
0.69-20-3	0.69	20	133.8	16.7	210	M6	2
0.69-25-3	0.69	25	167.2	20.9	210	M6	2
0.69-30-3	0.69	30	200.7	25.1	260	M8	2
0.69-40-3	0.69	40	267.4	33.5	330	M8	2
0.69-50-3	0.69	50	334.3	41.9	230	M10	3
0.69-60-3	0.69	60	401.4	50.2	230	M10	3

Note: Other special specification models supply according to user requirements.

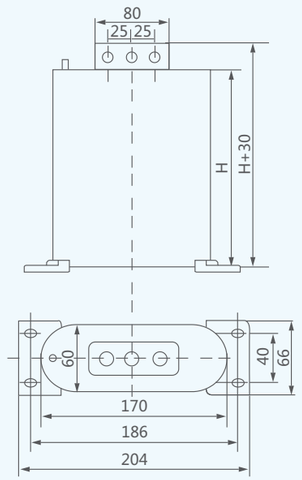


Figure 1

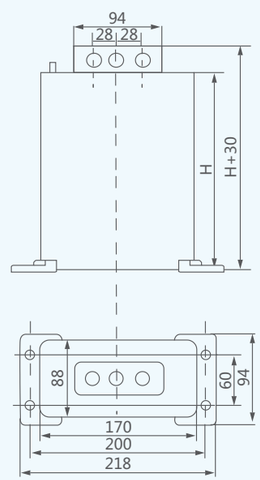


Figure 2

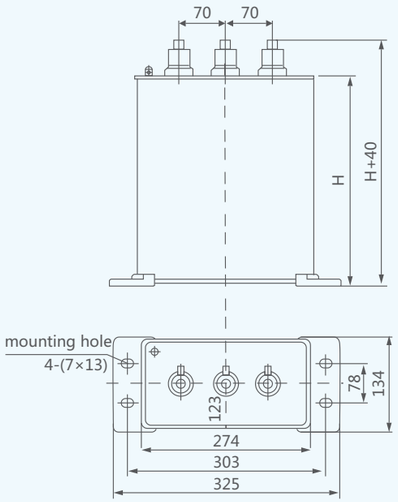


Figure 3

Application

Self-healing low voltage shunt power capacitor was used in 50Hz and 60Hz power system, it mainly improver power factor, reduce reactive power loss,improve voltage quality. Encavate transformer quantity and so on. It is best saving power products which company strong recommend and work.

This product meets the standard: GB/T 12747-2004, IEC60831-1996

Model BSMJ, BCMJ, BZMJ	Rated volt (kV)	Rated capacity (Kvar)	Rated capacity (μF)	Rated current (A)	H (mm)	Outgoing terminal	Drawing No.
0.25-1-1	0.25	1	51.0	4	125	M6	1
0.25-3-1	0.25	3	153.0	12	125	M6	1
0.25-5-1	0.25	5	255.0	20	125	M6	1
0.25-7.5-1	0.25	7.5	382.0	30	210	M8	1
0.25-10-1	0.25	10	510.0	40	210	M8	1
0.25-15-1	0.25	15	764.0	60	210	M8	2
0.25-20-1	0.25	20	1017.0	80	260	M10	2
0.25-25-1	0.25	25	1274.0	100	330	M10	2
0.25-30-1	0.25	30	1529.0	120	230	2×M10	3
0.4-10-1	0.4	10	198.9	25	125	M6	2
0.4-12-1	0.4	12	238.7	30	180	M6	2
0.4-15-1	0.4	15	298.4	37.5	210	M8	2
0.4-16-1	0.4	16	318.3	40	210	M8	2
0.4-18-1	0.4	18	358.1	45.0	245	M8	2
0.4-20-1	0.4	20	397.9	50	245	M8	2
0.4-25-1	0.4	25	497.4	62.5	210	M8	2
0.4-30-1	0.4	30	596.8	75	260	M8	2
0.4-35-1	0.4	35	696.3	87.5	260	M8	2
0.4-40-1	0.4	40	796.2	100	330	M10	2
0.4-45-1	0.4	45	895.2	112.5	230	2×M10	2
0.4-50-1	0.4	50	995.2	125	230	2×M10	2
0.4-60-1	0.4	60	1194.3	150	230	2×M10	2

Model BSMJ, BCMJ, BZMJ	Rated volt (kV)	Rated capacity (Kvar)	Rated capacity (μF)	Rated current (A)	H (mm)	Outgoing terminal	Drawing No.
0.45-10-1	0.45	10	157.2	22.2	180	M6	2
0.45-12-1	0.45	12	188.6	26.7	180	M6	2
0.45-15-1	0.45	15	235.8	33.3	210	M8	2
0.45-16-1	0.45	16	251.5	35.6	210	M8	2
0.45-18-1	0.45	18	282.9	40	210	M8	2
0.45-20-1	0.45	20	314.4	44.4	210	M8	2
0.45-25-1	0.45	25	393.2	55.6	210	M8	2
0.45-30-1	0.45	30	471.8	66.7	210	M8	2
0.45-35-1	0.45	35	550.2	77.8	260	M10	2
0.45-40-1	0.45	40	629.1	88.9	260	M10	2
0.45-45-1	0.45	45	707.4	100.0	230	M10	3
0.45-50-1	0.45	50	786.3	111.1	230	2×M10	3
0.45-60-1	0.45	60	943.6	133.3	230	2×M10	3

Note: Other special specification models supply according to user requirements

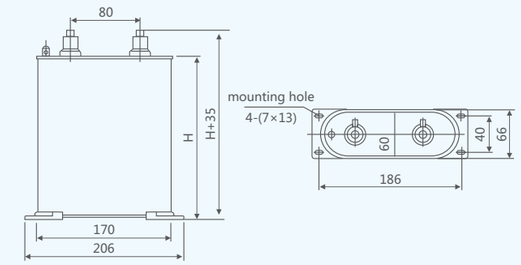


Figure 1

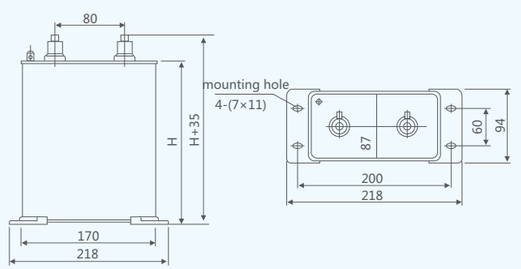


Figure 2

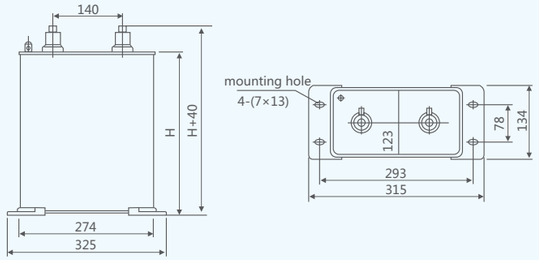


Figure 3

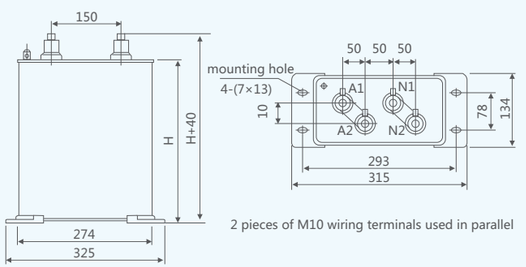


Figure 4

Application

BSMJ cylinder self-healing shunt power capacitor was used in 50Hz or 60Hz low voltage system equipment, it has power factor adjust, it was suitable in normally field compensator and centralize auto compensate, it can reduce reactive power loss, improve voltage quality, it is nationally recommended to save electric products.
This product meets the standards: GB/T 12747, IEC831-1/2.

Code and Implication

BSMJ 0.4 - 15 - 3

- 3: Phase: 3: three-phase 1: single-phase
- 15: Rated capacity (three-phase stand for three-phase total capacity)
- 0.4: Line voltage kV
- BSMJ: Metallized film capacitor

Working Conditions

1. Power capacitor should confirm left voltage reduce to rated voltage 10% to input again after the power was cut off, normally it will need 200s almost. so it would choose the power controller which has input and reput lock time function after cut off the power. If choose normally power controller, it must install speediness discharge power equipment. it would not limited which use adopting same electric factor input and chip switch.
2. Altitude level is not more than 2000m.
3. Temperature type: -25/C low temperature, highest temperature is C type (it would not more than 50℃ the average of temperature is not more than 40℃ within 24 hours, one year average of temperature is not more than 30℃), power capacitor will work within good ventilate condition. It would not permit within sealing and installation condition

Structure Features

1. Taking cylinder aluminum case.
2. Immerse liquid: no social effects of pollution dielectric oil.
3. Inseting press detaching equipment and discharge electric resister.
4. Capacitor core is healing good quality metallized film.
5. Capacitor top is anti touching electric terminal block.
6. Bottom is M12 or M16 install ground bolt.
7. Three phase capacitor is inside Δ connection way.

Main Technical Data

1. Rated voltage: 0.23kV, 0.25kV, 0.4kV, 0.415kV, 0.45kV, 0.48kV, 0.525kV and so on.
2. Rated capacity: 1~30kvar
3. Capacitance tolerance: -5%~+10%
4. Power loss tan δ≤0.1%
5. Between pole voltage: 2. 15times rated voltage is 5 second, no permanence puncture or shine
6. Dielectric level: between cover add the voltage: 2 times rated voltage plus 2kV or 3kV, please take height continue 10 second, no puncture and shine
7. Max permit voltage: 1.1 times voltage, every 24 hours is not more than 8 hours, 1.15 times voltage, every 24 hours is not more than 30 minutes 1.2 times voltage, it would not more than 5 second (continue) 1.3 times voltage, not more than 1 minutes.
8. High permit voltage: it is permit to work within less than 1.3 times rated current, as there are over voltage and capacitor positive deviation and harmonic the over current is not than 1.43 times rated current
9. Discharge component: inside put discharge register, capacitor cut off power, than discharge 3 minutes electric, so the voltage reduce to 50V
10. Standard: GB/T12747-2004, IEC60831-2002

Three-phase Capacitors Specifications

Model BSMJ	Rated volt (V)	Rated capacity (Kvar)	Rated capacity (μF)	Rated current (A)	Rated frequencies Hz	Dimension (mm)	Connection	Bottom bolt	Drawing No.
0.25-2.5-3	250	2.5	127.4	5.8	50	76×180		M12×16	1
0.25-3-3	250	3	152.8	6.9	50	76×180		M12×16	1
0.25-4-3	250	4	203.8	9.2	50	76×240		M12×16	1
0.25-5-3	250	5	254.7	11.7	50	96×240		M16×25	2
0.25-6-3	250	6	305.7	13.9	50	96×240		M16×25	2
0.25-7.5-3	250	7.5	382.1	17.3	50	96×240		M16×25	2
0.25-8-3	250	8	407.6	18.5	50	96×240		M16×25	2
0.25-10-3	250	10	509.4	23.1	50	106×290		M16×25	2
0.25-12.5-3	250	12.5	636.8	28.9	50	106×290		M16×25	2
0.28-2.5-3	280	2.5	101.5	5.2	50	76×180		M12×16	1
0.28-3-3	280	3	121.8	6.2	50	76×180		M12×16	1
0.28-4-3	280	4	162.4	8.2	50	76×240		M12×16	1
0.28-5-3	280	5	203	10.3	50	76×240		M16×25	2
0.28-6-3	280	6	243.7	12.4	50	76×240		M16×25	2
0.28-7.5-3	280	7.5	304.6	15.5	50	96×240		M16×25	2
0.28-8-3	280	8	325	16.5	50	96×240		M16×25	2
0.28-10-3	280	10	406.1	20.6	50	96×240		M16×25	2
0.28-12.5-3	280	12.5	507.6	25.8	50	106×240		M16×25	2
0.45-2.5-3	450	2.5	39.3	3.2	50	76×180	Δ	M12×16	1
0.45-3-3	450	3	47.1	3.9	50	76×180	Δ	M12×16	1
0.45-4-3	450	4	62.8	5.1	50	76×180	Δ	M12×16	1
0.45-5-3	450	5	78.5	6.4	50	76×180	Δ	M12×16	1
0.45-6-3	450	6	94.2	7.7	50	76×180	Δ	M12×16	1
0.45-7.5-3	450	7.5	117.8	9.6	50	76×180	Δ	M12×16	1
0.45-8-3	450	8	125.6	10.2	50	76×240	Δ	M12×16	1
0.45-10-3	450	10	157	12.8	50	76×240	Δ	M12×16	1
0.45-12.5-3	450	12.5	196.3	16	50	76×240	Δ	M12×16	1
0.45-15-3	450	15	235.5	19.2	50	96×240	Δ	M16×25	2

BSMJ
Low Voltage Shut Capacitor of The Self-healing Type

Model BSMJ	Rated volt (V)	Rated capacity (Kvar)	Rated capacity (μF)	Rated current (A)	Rated frequencies Hz	Dimension (mm)	Connection	Bottom bolt	Drawing No.
0.45-16-3	450	16	251.2	20.5	50	96×240	Δ	M16×25	2
0.45-20-3	450	20	314	25.6	50	96×240	Δ	M16×25	2
0.45-25-3	450	25	392.5	32	50	106×240	Δ	M16×25	2
0.45-30-3	450	30	471	38.5	50	106×290	Δ	M16×25	2
0.48-2.5-3	480	2.5	34.5	3.0	50	76×180	Δ	M12×16	1
0.48-3-3	480	3	41.4	3.6	50	76×180	Δ	M12×16	1
0.48-4-3	480	4	55.2	4.8	50	76×180	Δ	M12×16	1
0.48-5-3	480	5	69	6.0	50	76×180	Δ	M12×16	1
0.48-6-3	480	6	82.8	7.2	50	76×180	Δ	M12×16	1
0.48-7.5-3	480	7.5	103.5	9.0	50	76×240	Δ	M12×16	1
0.48-8-3	480	8	110.4	9.6	50	76×240	Δ	M12×16	1
0.48-10-3	480	10	138	12	50	76×240	Δ	M12×16	1
0.48-12.5-3	480	12.5	172.5	15	50	96×240	Δ	M16×25	2
0.48-15-3	480	15	207	18	50	96×240	Δ	M16×25	2
0.48-16-3	480	16	220.8	19.2	50	96×240	Δ	M16×25	2
0.48-20-3	480	20	276	24.1	50	106×240	Δ	M16×25	2
0.48-25-3	480	25	345	30.1	50	106×290	Δ	M16×25	2
0.525-5-3	525	5	57.8	5.5	50	76×180	Δ	M12×16	1
0.525-7.5-3	525	7.5	86.6	8.3	50	76×180	Δ	M12×16	1
0.525-10-3	525	10	115.5	11	50	76×180	Δ	M12×16	1
0.525-12.5-3	525	12.5	144	13.8	50	76×240	Δ	M12×16	1
0.525-15-3	525	15	173.3	16.5	50	96×240	Δ	M16×25	2
0.525-20-3	525	20	231	22	50	106×240	Δ	M16×25	2
0.525-25-3	525	25	288.8	27.5	50	106×290	Δ	M16×25	2

Installation and Dimension Chart

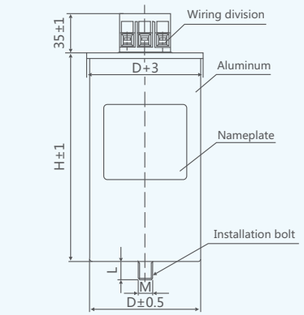


Figure 1

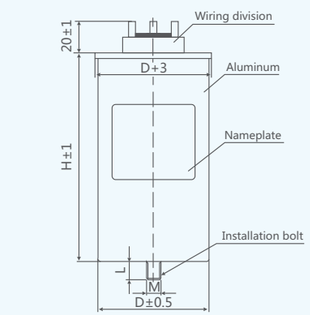


Figure 2

JKL
Reactive Power Auto-compensation Controller

General

JKL5CF series intelligert reactive power automatic compensation controller is especially used to control reactive powercom pensation in low-voltage distribution system, can be matched with various type of low-voltage static capacitance screen. JKL5A type (tapping size 162×102mm) JKL5B type (tapping size 140×102mm), JKL5C type (tapping size 113×113mm, the same as 42L6 meter) each has five specifications of 4, 6, 8, 10 and 12 output ways, This maching adopts the advanced technology from home and abroad, possesses advantages of small volume, light weight, complete functions, strong anti-jamming, stable and reliable operation, accurate compensation, etc. Designed according to JB/T9663-1999 the latest nation a professional standard; approved by the national quality-monitoring center of power control distribution equipments, and passed the type test.

Characteristic

1. Adopt AC sampling technology.
2. Digital integration, filtration.
3. Adopting the control technology of the single-chip microcomputer, has realized the intellectualized of electric network reactive auto matic compensation.
4. Strong anti-interference ability can resist 2000V interference pulse from power direct, and not crashing, does not lose the data, it is reliable to run steady.
5. Digital display electric network power factors, over-voltage values, current etc. Various kinds of control parameter.
6. With self-checking functions, it needn offer current mutual inductors ratio to compensate capacitor capacity, is suitable for different parameter automatically.
7. Sampling signal phase sequence is distinguished and changed automatically.
8. With two working mode of manual and automatic, convenient for user to install and debug.
9. With over-voltage judgment display function that can cut off the group of the capacitor quickly.
10. Concise man-machine dialogue, operating, debugging, simplicity direct-view.
11. The input resistance of current sampling signal is smaller than 0.05Ω, it can be taken out from measuring loops directly.

Rectified Value and Adjustable Range of the Compensator

1. Power facotr CosΦ value 0.97
2. 0.70~0.97 consecutive number type seet
3. Over-voltage protection value 430V
4. 400~440V divide into five steps and consecutive number type setting
5. Time lag 30S for each way cutin and cut off
6. 1-90S sonsecutive number type setting
7. When automatic cutin and cut off, maked sure the sampling transformer current value: lower limit≥150mA, upper limit≤5A