Low Voltage Switch Company - Low Voltage Electronic Components

MXY Series Programmable Installation Type Digital Meter

About the Product:

MXY Series Programmable Installation Type Digital Meter adopts SMT craft to design and manufacture in modular which realizes functional combination by the output module and the keypad.

The series meters can be used as a general digital demonstration meter and a multi-functional power meter which integrates measure, alarm, switch input and output, communications and is widely used in hydraulic, electrical power, mining enterprises and equipment manufacturing industries and various other fields.

Technical Parameters Display mode: Programmable set, shift or cycle display.

Input parameter:

Rated voltage: AC 57.7V、100V、220V、380V Rated current: AC 1A、5A

Frequency scope: 45～65Hz

input network:: Three-phase three-wire, three-phase four-wire

measure accuracy:

voltage, current, active power, inactive power: ±0.5% Frequency: ±0.1Hz

Power factor: ±0.01PF

active electrical energy: ±0.5%

inactive electrical energy: ±2.0%

Start: when the rated voltage, frequency and COSφ=1.0, load working current is 0.001In, the meter can start and continuously measure the electrical energy.

Potential movement: if the rated voltage is 115%, no current in the circuit and no electrical energy accumulation or pulse output.

Output parameters:

Pulse Output: collect electrode open-circuit output and collect electrode open-circuit voltage VCC≤48、current Iz≤50mA

pulse constant: 10000imp/kWh or10000imp/kvarh. It means that: if the meter accumulation is 1kWh, the pulse output is 10000. It needs to be emphasized that the 1kWh is two energy data. In the PT, CT circumstances, the relative N pulses data corresponding to electrical energy for one time is: 1kWh ×voltage

transformer ratio ×current transformer ratio.
Switch input: junction of four circuits (internally attached ＋5V power supply)
simulation output: can provide four circuits output
Output scope: DC0-20mA/4-20mA programmable set accuracy rank: ±0.5%
overload: 120% effective output, maximum current 24mA load: Rmax = 400Ω
communications interface: RS485 adopts MODBUS_RTU communication regulation, Baud Rate: 1200bit/s、2400bit/s、4800bit/s、9600bit/s programmable.

Order Information:

Please write clear and complete meter model, name, input specification and quantity.
Order Instance 1:50 pieces of MXY2P-9D1-AC100V 5A
The above words mean that the meter is three-phase active power meter with 96×96mm contour dimension and 100V 5A input specification, three-phase four-wire, auxiliary power supply is AC/DC85～264V and has transmission output and RS485 communications output functions.
Order Instance 2: 10 pieces of MXY4H-7B1-AC220V 5A
It means that the meter is of single phase power factor meter, 72×72mm contour dimension, 220V 5A input specification, AC/DC85～264V auxiliary power supply and additional transmission output function.
Order Instance 3: 10 pieces of MXY4Z-2B4-3I-AC800/5A
It means that the meter is three digits current display meter, 120×120mm contour dimension, 800/5A input specification, AC/DC85～264V auxiliary power supply and additional transmission output function.