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METERING

Parameter	Accuracy (% of Full Scale)	Resolution	Range
Voltage	0.5%	0.1%	20V to 500 KV
Current	0.5%	0.02%	0~9999 A
KW	1.0%	0.1%	-999999~999999 KW
KVar	1.0%	0.1%	-999999~999999 KVar
KVA	1.0%	0.1%	0~999999 KVA
Power Factor	1.0%	0.1%	-1.0~0~1.0
Frequency	0.2%	0.01Hz	45~65 Hz
KWh	1.0%	0.1KWh	0~999999 KWh

COMMUNICATION

Type:	RS485 2 wire, half duplex, isolated
Baud Rate:	1200 to 19200 bps
Protocol:	Modbus®RTU
Function:	Read/Write setpoints Read actual values Execute commands

OUTPUT

OUTPUT RELAY (RO)			
Type:	Mechanical Contact		
Contact Resistance:	30m ohm@1A		
Max Break Voltage:	250Vac, 100Vdc		
Max Break Current:	3A		
Configuration:	Form A		
Contact material:	Silver Alloy		
Output Mode:	Latch or Momentary (50-3000ms Configurable)		
ANALOG OUTPUT (AO)			
Output Range:	4~20mA or 0~1mA or 0~5V		
Resolution:	12bit		
Output Capability:	4~20 mA	Max Load:	750 Ω
	0~1 mA	Max Load:	10 KΩ
	0~5 V	Max Current:	20 mA

INPUT

AC CURRENT	
CT Input:	5A Secondary (1A Option)
Burden:	0.2VA
Overload:	2×CT for Continue 20×CT for 1 Second
Full Scale:	120% of CT
Accuracy:	0.5% of Full Scale, True RMS

AC VOLTAGE	
PT Pri/Sec:	Direct or 100~500,000:100~400
Input Range:	20~400V
Burden:	<0.2VA
Accuracy:	0.5%

SWITCH STATUS (DI)	
Optical Isolated Voltage:	4000Vac RMS
Input Type:	Wet Contact
Resistance:	2K ohm (Typical)
Input Voltage:	5~30Vdc
Close Contact Voltage:	5V
Max Input Current:	20mA

ENVIRONMENTAL

Humidity:	95% non-condensing
Temperature:	-25°C to 70°C
Packaging	
Shipping Box:	165mm×70mm×115mm
Shipping Weight:	0.4 Kg

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