

SGLW 30 Series

Rotary Switches

Technical data

Standard	IEC60947-3/IEC60947-5-1
Approval	CE
Rated thermal current Ith(A)	20/25/32/40/63/80/100
Rated operational voltage Ue(V)	240/440
Rated insulation voltage Ui(V)	660
Rated frequency(Hz)	50
Number of poles(P)	3,4
Handle type	padlockable handle
Degree of protection	IP65 with box
Ambient air temperature(°C)	-25~+40 max.90% humidity
Storage temperature(°C)	-40~+75
Maximum operating altitude(meters)	2000



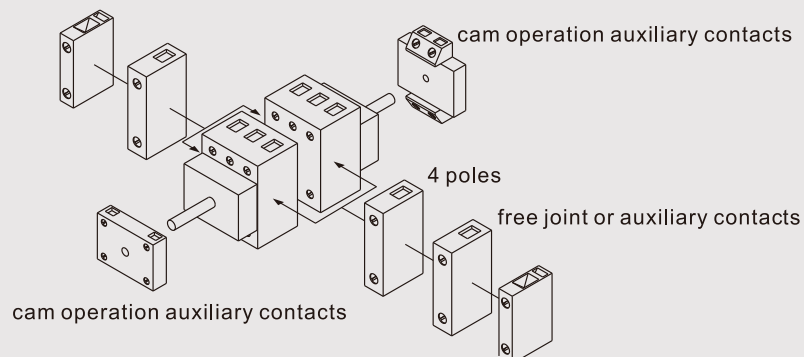
Picture	Function	Number of poles	In(A)	Type code
Control switches with padlockable handle 	ON/OFF	3	20	SGLW30-3D20
			25	SGLW30-3D25
			32	SGLW30-3D32
			40	SGLW30-3D40
			63	SGLW30-3D63
			80	SGLW30-3D80
			100	SGLW30-3D100
	ON/OFF	4	20	SGLW30-4D20
			25	SGLW30-4D25
			32	SGLW30-4D32
			40	SGLW30-4D40
			63	SGLW30-4D63
			80	SGLW30-4D80
			100	SGLW30-4D100
Control switches with padlockable handle 	ON/OFF	3	20	SGLW30-3R20
			25	SGLW30-3R25
			32	SGLW30-3R32
			40	SGLW30-3R40
			63	SGLW30-3R63
			80	SGLW30-3R80
			100	SGLW30-3R100
	ON/OFF	4	20	SGLW30-4R20
			25	SGLW30-4R25
			32	SGLW30-4R32
			40	SGLW30-4R40
			63	SGLW30-4R63
			80	SGLW30-4R80
			100	SGLW30-4R100
Insulated with padlockable handle IP65 	ON/OFF	3	20	SGLW30-3B20
			25	SGLW30-3B25
			32	SGLW30-3B32
			40	SGLW30-3B40
			63	SGLW30-3B63
			80	SGLW30-3B80
			100	SGLW30-3B100
	ON/OFF	4	20	SGLW30-4B20
			25	SGLW30-4B25
			32	SGLW30-4B32
			40	SGLW30-4B40
			63	SGLW30-4B63
			80	SGLW30-4B80
			100	SGLW30-4B100

Auxiliary contacts

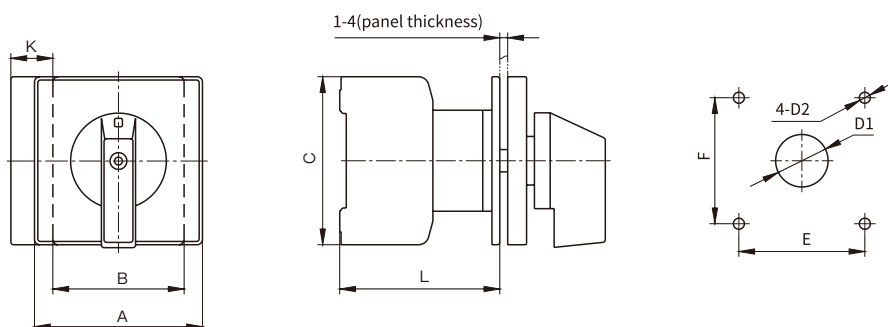


AC15 220~240V 6A/380~440V 4A

grounding or auxiliary contacts

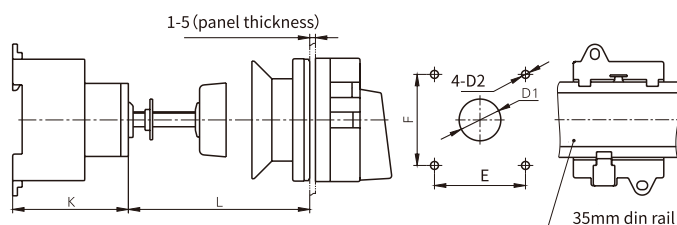


Outline and installation dimensions

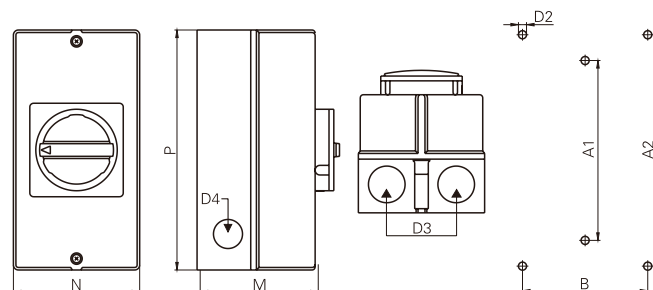


Type	Dimension(mm)					Mounting Dimension (mm)			
	A	B	C	K	L	E	F	D1	D2
SGLW30-D20	64	42	54	13.5	61	48	48	φ10	φ4.2
SGLW30-D25	64	42	54	13.5	61	48	48	φ10	φ4.2
SGLW30-D32	64	42	54	13.5	61	48	48	φ10	φ4.2
SGLW30-D40	64	50	64	16	67	48	48	φ10	φ4.2
SGLW30-D63	64	50	64	16	67	48	48	φ10	φ4.2
SGLW30-D80	64	70	80	22.5	82	48	48	φ10	φ4.2
SGLW30-D100	64	70	80	22.5	82	48	48	φ10	φ4.2

Type	Dimension(mm)			Mounting Dimension (mm)			
	K	Lmin	Lmax	E	F	D1	D2
SGLW30-R20	50	32	150	48	48	φ22	φ4.2
SGLW30-R25	50	32	150	48	48	φ22	φ4.2
SGLW30-R32	50	32	150	48	48	φ22	φ4.2
SGLW30-R40	50	32	150	48	48	φ22	φ4.2
SGLW30-R63	50	32	150	48	48	φ22	φ4.2
SGLW30-R80	50	32	150	48	48	φ22	φ4.2
SGLW30-R100	50	32	150	48	48	φ22	φ4.2



Type	Dimension(mm)					Mounting Dimension (mm)			
	D3	D4	M	N	P	A1	A2	B	D2
SGLW30-B20	φ23	φ19	85	83	160	150	—	—	φ4.2
SGLW30-B25	φ23	φ19	85	83	160	150	—	—	φ4.2
SGLW30-B32	φ23	φ19	85	83	160	150	—	—	φ4.2
SGLW30-B40	φ29	φ23	100	95	190	178	—	—	φ4.2
SGLW30-B63	φ29	φ23	100	95	190	178	—	—	φ4.2
SGLW30-B80	φ37.5	φ23	144	145	250	—	229	124	φ4.2
SGLW30-B100	φ37.5	φ23	144	145	250	—	229	124	φ4.2



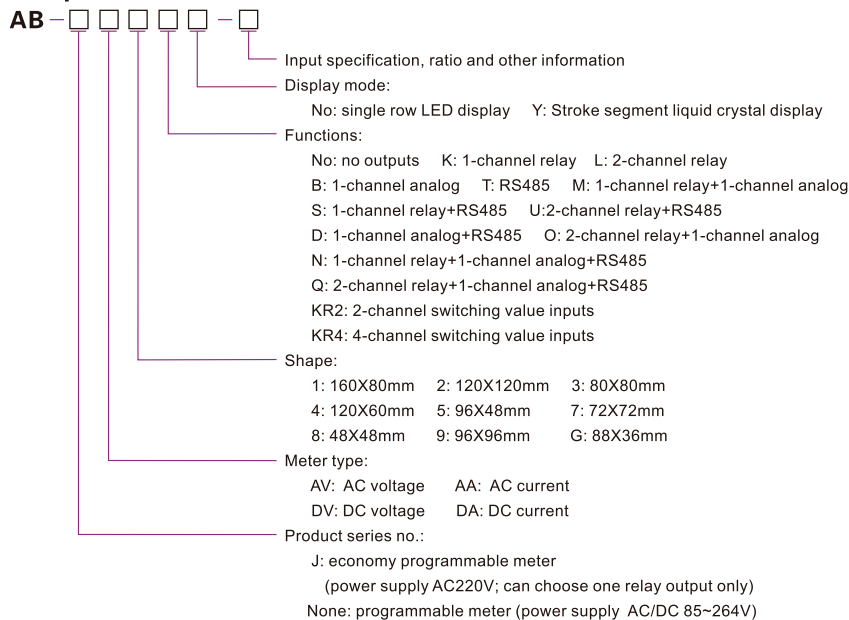
Programmable Voltmeter, Ammeter

Chapter 1. General introduction

It is used to measure and display the direct digital reading of voltage and current values in the electrical line. The meter can be used as a general digital voltmeter/ammeter and can also be installed with the analog output module to make it as a voltage or current transmitter with the function of displaying primary circuit measurement value. You can also add the RS485 digital communication module to make it as a voltage or current data collector with the function of displaying primary circuit measurement value. You can also choose the relay output module to add the voltage, current limit alarm protection function. And can also select the multiple functional modules at the same time to make it with the functions of measurement, alarm, transmission and communication.



Chapter 2. Model and definition



Chapter 3. General parameters

Measuring range:

AC ammeter AC 0 ~ 5A, external CT is necessary if more than 5A
("input 10A directly" can be customized)

DC ammeter DC 0 ~ 5A, external shunt is necessary if more than 5A
("input 10A directly" can be customized)

AC voltmeter AC 0 ~ 600V, external PT is necessary if more than 600V
DC voltmeter DC 0 ~ 600V

Accuracy grade: class 0.5

Measuring mode: True RMS measurement

Alarm output: relay contact output, contact capacity AC 250V/1A;
DC 30V/1A, resistive load

Communication interface: RS485 serial communication, MODBUS-RTU
communication protocol

Transmitting output: linearity 0.5%, load resistance: output current $\leq 300\Omega$,
output voltage $\geq 1k\Omega$, which are electrical isolated with the input signal
and the auxiliary power supply

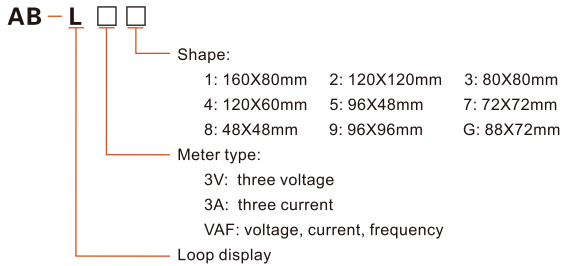
Switch input: dry contact input

Programmable three phase voltmeter

Chapter 1. General introduction

The 3U(3I) combined meter is used to measure and display the direct digital reading of voltage/current value in the three-phase electrical line. The UIF combined meter is used to measure and display the direct digital reading of voltage, current and frequency value in the single-phase electrical line. One meter can finish the measuring tasks of three common meters.

Chapter 2. Model and definition



Input specifications of voltage: AC 100V, 220V, 380V or 500V

(external PT is necessary if more than 500V)

Input specifications of current: AC 1A or 5A; external CT is necessary if more than 5A

Frequency of input signal: 45~65Hz

Accuracy grade: Class 0.5

Auxiliary power supply: AC220V±10% 50/60Hz



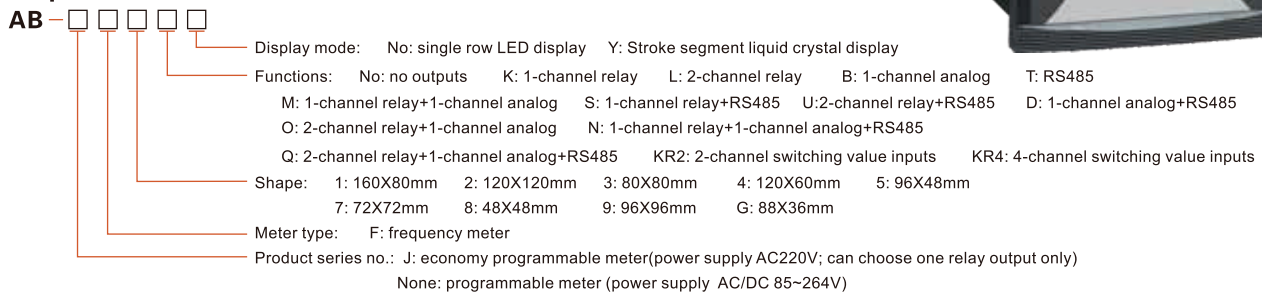
Programmable Frequency Meter

Chapter 1. General introduction

It is used to measure and display the direct digital reading of frequency values in the electrical line. It can support the analog output, alarm, RS485 communication function by the installation of different function modules. And it can also select the multiple functional modules at the same time to make it with the alarm, transmitting and communication functions.



Chapter 2. Model and definition



Chapter 3. General parameters

Measuring range: 10.00Hz~300.0Hz Input voltage: AC 30V~500V

Accuracy: ±0.1Hz Resolution: 0.01Hz

Alarm output: relay contact output, contact capacity

AC 250V/1A; DC 30V/1A, resistive load

Communication interface: RS485 serial communication,

MODBUS-RTU communication protocol

Transmitting output: linearity 0.5%, load resistance: output current ≤ 3 00Ω, output voltage ≥ 1kΩ, which are electrical isolated with the input signal and the auxiliary power supply Switch input: dry contact input

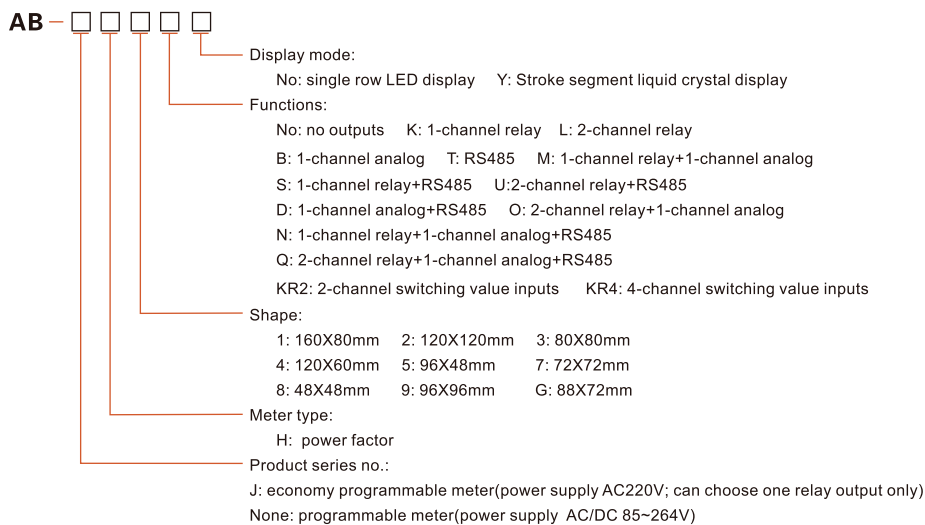
Programmable Power factor Meter

Chapter 1. General introduction

It is used to measure and display the direct digital reading of power factor value in the single-phase or three phase electrical line. It can support the analog output, alarm, RS485 communication function by the installation of different function modules. And it can also select the multiple functional modules at the same time to make it with the alarm, transmitting and communication functions.



Chapter 2. Model and definition



Chapter 3. General parameters

Measuring range of power factor: 0.001L~0.500L~1~0.500C~0.001C
 Accuracy: ± 0.01
 Resolution: 0.001
 Rated input voltage: AC100V, 220V, 380V
 Input range of current: 1~5A
 Alarm output: relay contact output, contact capacity AC 250V/1A, DC 30V/1A, resistive load

Communication interface: RS485 serial communication, MODBUS-RTU communication protocol
 Transmitting output: linearity 0.5%, load resistance: output current $\leq 300\Omega$, output voltage $\geq 1k\Omega$, which are electrical isolated with the input signal and the auxiliary power supply
 Switch input: dry contact input

The image displays four MAXGE digital meters. The top two are power meters (W) with red LED displays showing '8888'. The bottom two are voltage meters (V) with blue LCD displays showing '0.000'. The meters are arranged in a 2x2 grid, showing different housing styles and display types.

Communication interface: RS485 serial communication,
MODBUS-RTU communication protocol
Transmitting output: linearity 0.5%, load resistance: output current
 $\leq 300\Omega$, output voltage $\geq 1\text{ kV}$, which are electrical isolated with the
input signal and the auxiliary power supply
Switch input: dry contact input