Klapp-Stromwandler (snap-on), Trenn-Stromwandler (verschraubt) Clamp on /Split Core Current Transformers 0...600A (AC)

MODEL	SWL-5A	SWL-50A	SWL-100A	SWL-200A
MODEL	SWL-5A	SWL-50A	SWL-100A	SWL-200A
SHAPE				
FEATURE ·	SMALL SIZE ·	SMALL SIZE ·	MIDDLE SIZE •	MIDDLE SIZE ·
APPLIACTION	FOR CURRENT MEASUREMENT	FOR CURRENT MEASUREMENT	FOR CURRENT MEASUREMENT	FOR CURRENT MEASURE-
	& POWER MONITORING	& POWER MONITORING	& POWER MONITORING	MENT & POWER MONITORING
	OF 5A CIRCUIT	OF FEEDER LINES	OF FEEDER LINES	
MEASURING RANGE	AC 0.01~5A	AC 0.1~50A	AC 0.1~100A	AC 0.1~200A
NOMINAL TRANS. RATIO	3000:1	3000:1	3000:1	3000:1
CT SIZE (INSIDE DIAMETER)	10 mm	10 mm	16 mm	24 mm
MAX. APPLICABLE CURRENT	AC10A	AC100A	AC200A	AC300A
DIMENSION/WEIGHT	25x33x41mm /60g	26x23x48mm /45g	31x30x54mm /85g	36x45x76mm /190g
REMARK	M3 Output Terminal	M3 Output Terminal	M3 Output Terminal	M3 Output Terminal
	With Stopper against	With Stopper against	With Stopper against	With Stopper against
	slipping off from wire			
	Inflammable PP Resin	Inflammable PP Resin	Inflammable PP Resin	Inflammable PP Resin
PAGE	2	2	2	2

MODEL	SWXT-100A	SWXT-200A	SWXT-300A	SWXT-400A
SHAPE				
FEATURE ·	FOR GENERAL METER,	FOR GENERAL METER,	FOR GENERAL METER,	FOR GENERAL METER,
APPLIACTION	1A OUTPUT	1A OUTPUT	5A OUTPUT	5A OUTPUT
	FIXING METHOD	FIXING METHOD	FIXING METHOD	FIXING METHOD
RATED PRIMARY CURRENT	AC 100A	AC 200A	AC 300A	AC 400A
RATED SECONDARY CURRENT	1A	1A	5A	5A
RATED BURDEN (VA)	0.2VA	0.2VA	5VA	5VA
CT SIZE (INSIDE DIAMETER)	35mm	35mm	35mm	35mm
MAX. APPLICABLE CURRENT	AC120A	AC240A	AC360A	AC480A
DIMENSION/WEIGHT	127x95x40mm /550g	127x95x40mm /550g	127x95x40mm /550g	127x95x40mm /550g
REMARK	With Switch for	With Switch for	With Switch for	With Switch for
	Output Short-Circuit	Output Short-Circuit	Output Short-Circuit	Output Short-Circuit
	With Metal Fixing Parts			
PAGE	4	4	4	4



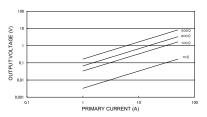
SWXT-600A	SWL-100Y	SWL-200Y	SWL-400Y	MODEL
				SHAPE
FOR GENERAL METER,	FOR GENERAL METER,	FOR GENERAL METER,	FOR GENERAL METER,	FEATURE ·
5A OUTPUT	1A OUTPUT	1A OUTPUT	1A OUTPUT	APPLIACTION
FIXING METHOD	CLAMP METHOD	CLAMP METHOD	CLAMP METHOD	
AC 600A	AC 100A	AC 200A	AC 400A	RATED PRIMARY CURRENT
5A	1A	1A	1A	RATED SECONDARY CURRENT
5VA	0.2VA	0.2VA	0.2VA	RATED BURDEN (VA)
35mm	24mm	35mm	35mm	CT SIZE (INSIDE DIAMETER)
AC720A	AC 120A	AC 240A	AC 480A	MAX. APPLICABLE CURRENT
127x95x40mm /550g	36x45x76mm /190g	60x40x80mm /310g	60x40x80mm /310g	DIMENSION/WEIGHT
With Switch for	M3 Output Terminal	M3 Output Terminal	M3 Output Terminal	REMARK
Output Short-Circuit	With Stopper against	With Stopper against	With Stopper against	
With Metal Fixing Parts	Slipping off from wire	Slipping off from wire	Slipping off from wire	
	Inflammable PP Resin	Inflammable PP Resin	Inflammable PP Resin	
4	4	4	4	PAGE

SPLIT CORE TYPE FOR AC CURRENT SWL SERIES

MODEL SVVL-5A



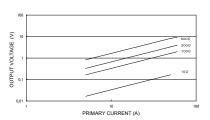
■CHARACTERISTIC OF OUTPUT VOLTAGE



MODEL SVVL-50A



■CHARACTERISTIC OF OUTPUT VOLTAGE



FEATURES

Most Suitable for Current Measurement in the terminal feeder.

With Stopper hardly slipping off from the wires. No need the specified connector due to the terminal output.

Safety Design with Open Protective Element & Inflammable Material.

■ SPECIFICATIONS

Applicable Current: AC 0.01~5Arms

Output Characteristic : refer to the drawing of output voltage characteristic

Output Example AC16.6mV±1% (50A/10 Ω)

-1.5° ± 0.5° (5A) Phase Accuracy: Nominal CT Ratio: Ø 10mm Inside Diameter Max. Capable Current : 10Arms continuous Onen Protective Flement : 7.5V

Applicable Frequency: 10Hz~50KHz

Rated Voltage: Less than AC600V for low voltage circuit of coated wires

Withstanding Voltage AC2200V/1 minute

(between output terminal and outer case) Insulation Resistance more than 100MO, by 500V insulation tester

(between output terminal and outer case) Operation Temperature : -20~ 50 °C, less than 80%RH w/o condensation Material of Outer Case : P.P. (Inflammable Grade: based on III 94V-0)

Material of Core :

Canable CT Onen/Close · Annrox 100 times

Dimension/Weight: 25(W)x 33(D)x 41(H)mm /Approx. 60gs.

FEATURES

Most Suitable for Current Measurement in the terminal feeder.

With Stopper hardly slipping off from the wires. No need the specified connector due to the terminal output.

Safety Design with Open Protective Element & Inflammable Material.

SPECIFICATIONS

Applicable Current: AC 0.1~50Arms

refer to the drawing of output voltage characteristic Output Characteristic :

Output Example AC166.6mV± 1% (50A/10 Ω)

Phase Accuracy: -1.4° ± 0.5° (50A) Nominal CT Ratio : 3000:1 Inside Diameter : Ø 10mm Max. Capable Current: 100Arms continuous Open Protective Element : 7.5V

Applicable Frequency : 10Hz~50KHz

Rated Voltage : Less than AC600V for low voltage circuit of coated wires Withstanding Voltage

AC2200V/1 minute

(between output terminal and outer case) Insulation Resistance : more than $100M\Omega$ by 500V insulation tester (between output terminal and outer case) -20~ 50 °C. less than 80%RH w/o condensation

Operation Temperature : Material of Outer Case : P.P. (Inflammable Grade: based on III 94V-0) Ferrite

Material of Core : Capable CT Open/Close: Approx. 100 times

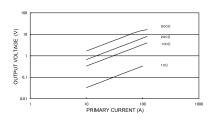
Dimension/Weight: 26(W)x 23(D)x 48(H)mm /Approx. 45gs.

SPLIT CORE TYPE FOR AC CURRENT SWL SERIES

MODEL SVVL-100A



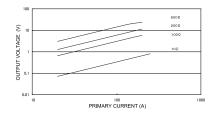
■CHARACTERISTIC OF OUTPUT VOLTAGE



MODEL SVVL-200A



■CHARACTERISTIC OF OUTPUT VOLTAGE



FEATURES

Most Suitable for Current Measurement in the

With Stopper hardly slipping off from the wires. No need the specified connector due to the terminal output.

Safety Design with Open Protective Element & Inflammable Material.

■ SPECIFICATIONS

Applicable Current:

Output Characteristic refer to the drawing of output voltage characteristic

Output Example : AC166.6mV± 1% (100A/10 Ω) Phase Accuracy : -0.7° ± 0.5° (100A)

Nominal CT Ratio : 3000:1 Inside Diameter : Ø 16mm

Max Canable Current : 200Arms continuous

Open Protective Element Applicable Frequency : 10Hz~50KHz

Less than AC600V for low voltage circuit of coated wires Rated Voltage :

Withstanding Voltage AC2200V/1 minute

(between output terminal and outer case)

Insulation Resistance : more than $100M\Omega$ by 500V insulation tester (between output terminal and outer case)

-20~50°C less than 80%RH w/o condensation Operation Temperature Material of Outer Case : P.P. (Inflammable Grade: based on UL94V-0)

Material of Core :

Capable CT Open/Close: Approx. 100 times

Dimension/Weight: 31(W)x 30(D)x 54(H)mm /Approx. 85gs.

FEATURES

Most Suitable for Current Measurement in the

With Stopper hardly slipping off from the wires. No need the specified connector due to the terminal output.

Safety Design with Open Protective Element & Inflammable Material.

■ SPECIFICATIONS

Applicable Current : AC 0.1~200Arms

Output Characteristic : refer to the drawing of output voltage characteristic

AC666.6mV± 1% (200A/10Ω) Output Example :

Phase Accuracy: -0.3° ± 0.5° (200A) Nominal CT Ratio :

φ 24mm Inside Diameter : Max. Capable Current : 300Arms continuous

Open Protective Flement : 7.5V Applicable Frequency: 10Hz~50KHz

Rated Voltage:

Less than AC600V for low voltage circuit of coated wires AC2200V/1 minute

Withstanding Voltage:

(between output terminal and outer case) Insulation Resistance : more than 100MO by 500V insulation tester (between output terminal and outer case) Operation Temperature : -20 ~ 50°C. less than 80%RH w/o condensation

P.P. (Inflammable Grade: based on UL94V-0) Material of Outer Case : Material of Core :

Canable CT Open/Close : Approx 100 times

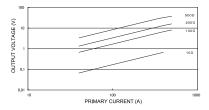
36(W)x45(D)x76(H)mm /Approx. 190gs.



MODEL SWL-400A



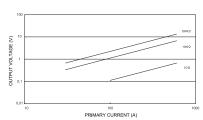
■CHARACTERISTIC OF OUTPUT VOLTAGE



MODEL SWL-600A



■CHARACTERISTIC OF OUTPUT VOLTAGE



Seite 3

FEATURES

Most Suitable for Current Measurement of the Main Cables.

With Stopper hardly slipping off from the wires. No need the specified connector due to the terminal output.

Safety Design with Open Protective Element & Inflammable Material.

■ SPECIFICATIONS

Output Example

Applicable Current: AC 0.1~ 400Arms

Output Characteristic : refer to the drawing of output voltage characteristic

AC666.6mV± 1% (400A/10Ω)

Phase Accuracy: -0.1° ± 0.5° (400A)

Nominal CT Ratio: 6000:1
Inside Diameter: Ø 35mm
Max. Capable Current: 600Arms continuous

Open Protective Element : 3.0V Applicable Frequency : 50Hz~10KHz

Rated Voltage : Less than AC600V for low voltage circuit of coated wires

Withstanding Voltage : AC2200V/1 minute

(between output terminal and outer case)

Insulation Resistance : $\mbox{more than 100M} \Omega \mbox{ by 500V insulation tester} \\ \mbox{(between output terminal and outer case)}$

Operation Temperature : -20 ~ 50 °C, less than 80%RH w/o condensation Material of Outer Case : P.P. (Inflammable Grade: based on UL94V-0)

Material of Core : Ferrite

Capable CT Open/Close : Approx. 100 times

Dimension/Weight: 60(W)x 40(D)x 80(H)mm /Approx. 310gs.

FEATURES

Most Suitable for Current Measurement of the Main Cables.

With Stopper hardly slipping off from the wires. No need the specified connector due to the terminal output.

Safety Design with Open Protective Element & Inflammable Material.

■ SPECIFICATIONS

Applicable Current: AC 0.1~600Arms

Output Characteristic : refer to the drawing of output voltage characteristic

Output Example : AC666.6mV \pm 1% (600A/10 Ω) Phase Accuracy : 0° \pm 0.5° (600A)

Nominal CT Ratio : 9000:1 Inside Diameter : Ø 35mm Max. Capable Current : 800Arms continuous Open Protective Element : 3.0V

Applicable Frequency: 50Hz~10KHz

Rated Voltage: Less than AC600V for low voltage circuit of coated wires

Withstanding Voltage: AC2200V/1 minute

 $\mbox{(between output terminal and outer case)} \\ \mbox{Insulation Resistance}: & more than 100M\Omega by 500V insulation tester \\ \mbox{}$

(between output terminal and outer case)
Operation Temperature:
-20~50°C, less than 80%RH w/o condensation
Material of Outer Case:
P.P. (Inflammable Grade: based on UL94V-0)

Material of Core : Silicon Steel
Capable CT Open/Close : Approx. 100 times

Dimension/Weight: 60(W)x 40(D)x 80(H)mm /Approx. 350gs.

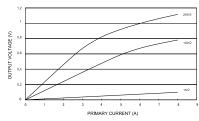
MODEL KSWL-1-03



TKSWR-03

Detects by a built-in printed circuit DC-pulses of 0.3mA...1A and outputs the signal (open collector) to lighten a LED when the puls continues for 10ms. Bohrung/window 03mm. Dimensionen: 21(28)x18x27mm=H mit Litzenanschluss AWG24. L= 200mm mit JST-connector.

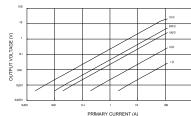
■CHARACTERISTIC OF OUTPUT VOLTAGE



MODEL FHY-771



■CHARACTERISTIC OF OUTPUT VOLTAGE



FEATURES

Suitable for operation check by detecting pulse current and for the detection of wire connection or disconnection of the internal circuit of equipment.

Wide Range of 0.1mA - 8A.

Ultra super compact & lightweight.

High sensitive and strong for outer magnetic field influence.

■ SPECIFICATIONS

Applicable Current: AC 0.1mA~8Arms

Output Characteristic : refer to the drawing of output voltage characteristic

Output Example : AC12.3mV± 5% (1A/10Ω)

Nominal CT Ratio: 800:1
Inside Diameter: Ø 3mm

Max. Capable Current : 10Arms continuous

Applicable Frequency: 10Hz~5KHz
Rated Voltage: Less than AC600V for low voltage circuit of coated wires

Withstanding Voltage : AC2200V/1 minute

(between output terminal and outer case)
Insulation Resistance : more than 100M Ω by 500V insulation tester

(between output terminal and outer case)

Operation Temperature: -10~50°C, less than 80%RH w/o condensation

Material of Outer Case : P.P. (Inflammable Grade: based on UL94V-0)

Material of Core : Ferrite

Capable CT Open/Close : Approx. 100 times

Dimension/Weight: 24(W)x12(D)x28(H)mm /Approx. 8gs.

FEATURES

Suitable for operation check by detecting pulse current and for the detection of wire connection or disconnection of the internal circuit of equipment.

Wide Range of 1mA - 100A.

Ultra super compact & lightweight.
High sensitive and strong for outer magnetic field influence.

■ SPECIFICATIONS

Applicable Current : AC 1mA~100Arms

Output Characteristic : refer to the drawing of output voltage characteristic

Output Example : AC19.1mV± 5% (200A/430Ω)

Nominal CT Ratio: 4000:1
Inside Diameter: Ø 22mm

Max. Capable Current: 100Arms continuous

Applicable Frequency: 10H2~5KHz

Rated Voltage: Less than AC600V for low voltage circuit of coated wires

Withstanding Voltage : AC2200V/1 minute (between output terminal and outer case)

Insulation Resistance : more than $100M\Omega$ by 500V insulation tester (between output terminal and outer case)

Operation Temperature : $-10\sim50^{\circ}\text{C}$, less than 80%RH w/o condensation

Material of Outer Case : ABS Resin
Material of Core : Ferrite

Capable CT Open/Close : Approx. 100 times

Dimension/Weight: 26(W)x 23(D)x48(H)mm /Approx. 200gs.

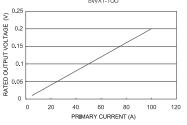
Trennbare AC-Klappstromwandler SWXT-100A...600A trennbar verschraubt

Split Core Current Transformers

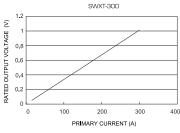
100A...600A/1A & 5A



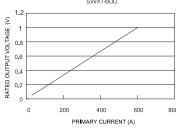
■CHARACTERISTIC OF OUTPUT VOLTAGE/RL=0,2 Ohm SWXT-100



■CHARACTERISTIC OF OUTPUT VOLTAGE/RL=0.2 Ohm



■CHARACTERISTIC OF OUTPUT VOLTAGE/RL=0,2 Ohm SWXT-600



FEATURE

1A or 5A Output Types for General Metering

With Short-circuit Switch of Secondary Output for the safety.

High Accuracy equivalent to the first degree of general metering.

Easy to apply by split core type with fixing metal

■ SPECIFICATION SWXT-100/-200

AC 100A/SWXT-100 Rated Primary Current : AC 200A/SWXT-200 Rated Secondary Current : Rated Burden (VA) : 0.2VA ± 1.0%In ± 1.0%0.2In Comparative Error Phase Accuracy : ± 1.5° In ± 2.0° 0.2In Output Characteristic :

refer to the drawing of output voltage characteristic Inside Diameter Ø 35mm

AC 120A/CTS-100 Max. Capable Current : AC 240A/CTS-200 Open Protection: With output short-circuit switch

Applicable Frequency: 50/60Hz

Less than AC600V for low voltage circuit of coated wires Rated Voltage

Withstanding Voltage AC2200V/1 minute

(between output terminal and outer case) more than 100MO by 500V insulation tester Insulation Resistance : (between output terminal and outer case) Operation Temperature : -10~50°C, less than 80%RH w/o condensation Material of Outer Case : Inflammable ABS Resin (based on UL94V-0) Material of Core : Silicon Steel Dimension/Weight: 127(W)x 40(D)x 95(H)mm/ Approx. 550gs.

■ SPECIFICATION SWXT-300/-400/-600

Rated Primary Current : AC 300A/SWXT-300 AC 400A/SWXT-400 AC 600A/SWXT-600

Rated Secondary Current : 5A Rated Burden (VA) :

Comparative Error : ± 1.0%In ± 1.0%0.2In + 1.5° ln + 2.0° 0.2ln

Phase Accuracy : refer to the drawing of output voltage characteristic Output Characteristic :

Inside Diameter Ø 35mm Max. Capable Current : AC 360A/SWXT-300 AC 480A/SWXT-400

AC 720V/SWXT-600

Open Protection : With output short-circuit switch Applicable Frequency : 50/60Hz

Less than AC600V for low voltage circuit of coated wires Rated Voltage Withstanding Voltage: AC2200V/1 minute

(between output terminal and outer case) Insulation Resistance : more than $100M\Omega$ by 500V insulation tester (between output terminal and outer case).

Operation Temperature : -10~50°C. less than 80%RH w/o condensation Material of Outer Case : Inflammable ABS Resin (based on UL94V-0) Material of Core: Silicon Steel

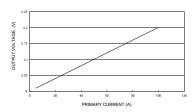
Dimension/Weight 127(W)x 40(D)x 95(H)mm /Approx. 550gs.

Über Montagewinkel (Fuss) 80x70 Lochdistanz 66x55 4xø5 4

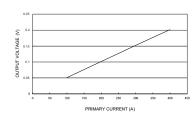
AC-Klappstromwandler SWL-100...400-Y-Series mit Kunststoff-Scharnier

Split Core Current Transformers

■CHARACTERISTIC OF OUTPUT VOLTAGE



■CHARACTERISTIC OF OUTPUT VOLTAGE



FEATURES

Rated Primary Current:

Rated Secondary Current :

1A Output Type for General Metering Systems. Easy to apply by split core type with stopper hardly slipping off from the wire. No need to specified connector due to the terminal output.

Safety Design with Open Protective Element & Inflammable Material.

■ SPECIFICATIONS SWL-100Y

AC 100A

100A 200A 400A / 1A

Rated Burden (VA) : ± 1.0%ln ± 1.0%0.2ln Comparative Error : Phase Accuracy : ± 1.5° ln ± 2.0° 0.2 ln refer to the drawing of output voltage characteristic Output Characteristic Inside Diameter : Ø 24mm AC 120A Max. Capable Current : Onen Protective Flement 7.5V

Applicable Frequency : Less than AC600V for low voltage circuit of coated wires

Rated Voltage : AC2200V/1 minute Withstanding Voltage

(between output terminal and outer case) Insulation Resistance more than $100M\Omega$ by 500V insulation tester (between output terminal and outer case)

Operation Temperature -10~50°C less than 80%RH w/o condensation Material of Outer Case : P.P. (Inflammable Grade: based on III 94V-0) Material of Core :

Capable CT Open/Close: Approx. 100 times

Dimension/Weight 36(W)x 45(D)x76(H)mm /Approx. 190gs.

■ SPECIFICATIONS SWL-200Y/-400Y

Rated Primary Current : AC 200A/SWL-200Y AC 400A/SWL-400Y Rated Secondary Current:

Rated Burden (VA) : 0.2VA Comparative Error :

± 1.0%ln ± 1.0%0.2ln Phase Accuracy : ± 1.5° ln ± 2.0° 0.2 ln

refer to the drawing of output voltage characteristic Output Characteristic

Inside Diameter φ 35mm Max. Capable Current : AC 240A/...-200Y AC 480A/...-400Y Open Protective Element 3.0V

Applicable Frequency : 10Hz-5KHz Rated Voltage Less than AC600V for low voltage circuit of coated wires

Withstanding Voltage AC2200V/1 minute

(between output terminal and outer case)

Insulation Resistance : more than $100M\Omega$ by 500V insulation tester (between output terminal and outer case) Operation Temperature : -10~50°C, less than 80%RH w/o condensation Material of Outer Cas : P.P. (Inflammable Grade: based on UL94V-0)

Material of Core : Ferrite

Capable CT Open/Clos : Approx. 100 times

60(W)x 40(D)x 80(H)mm /Approx. 310gs.

Aktive Klapp- & Trenn-Stromwandler (HALL-) für DC auf Anfrage & unter www.pewatron.com



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