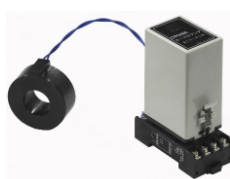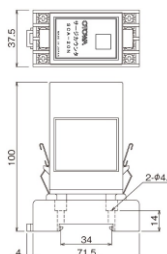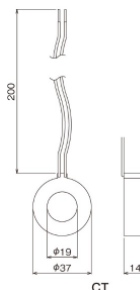# OTOWA

OTOWA Surge counter

Surge counter

OTOWA Surge counter can detect above certain lightning current that flows through earth wire and can indicate the number of them. EU RoHS Compliant with regulated substances
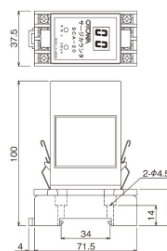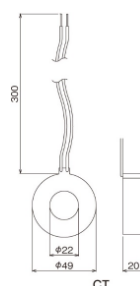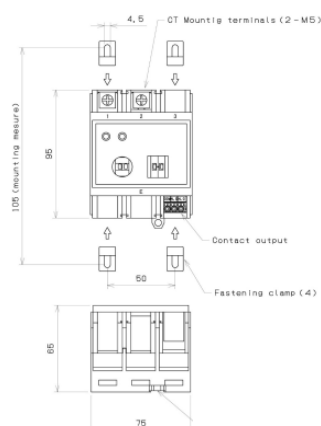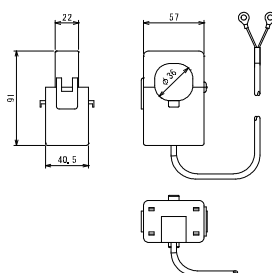
Dimension drawing

Dimension drawing (SCA-20)

Dimension drawing (SCA-20N)

Dimension drawing (SCA-12N200KS)

Type	SCA-20	SCA-20N	SCA-12N200KS
Power source voltage	90V–240V (50Hz–60Hz)	unnecessary	unnecessary
Operating current (8/20 μ s)	10A/50A/100A Changing the current setting by short bar Initial current setting : 50A	100A	
Max. current	20kA (8/20 μ s)	50kA (8/20 μ s or 10/350 μ s)	200kA (8/20 μ s or 10/350 μ s)
Indication	2 digits LED (count max:254 times)	Electro–magnetic counter 2digits (count max. 99 times)	
Signal contact	Operating time for 500ms.	–	Operating time for 5ms.
Capacity of signal contact output	DC 30V 1A, AC125V 0.5A	–	DC 3V 2A, AC 12V 0.5A
Installing method	35mm DIN rail / M4 screw	35mm DIN rail / M4 screw	35mm DIN rail
Operating temperature	−10℃ ～ +60℃		−10℃ ～ +50℃

Other information

OTOWA web site

Manual SCA-20

Manual SCA-20N

Manual SCA-12N200KS

CAT.No.EN-AS-06

OTOWA Surge counter

SCA-20

Short bar

CT

Earth wire

Power source (AC100V, 200V)

Signal contact output
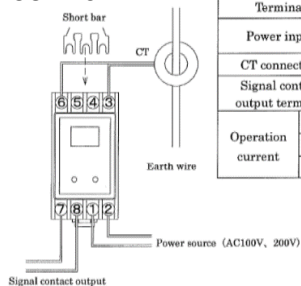
Terminal		Terminal No.	Explanation
Power input		①-②	AC100V or 200V(50/60Hz)
CT connection		③-⑥	—
Signal contact output terminal		⑦-⑧	a type contact
Operation current	10A	(No short bar)	Short bar connection
	50A	⑥-⑤-④	
	100A	⑤-④-③	

SCA-20N

CT

SCA-20N

Earth wire

【Option】
Tool for count reset
Model：RLP-9V

9V battery
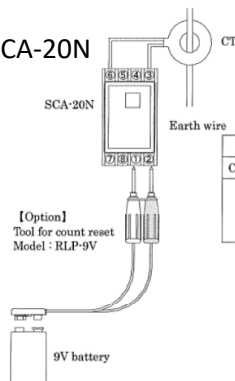
Terminal	Terminal No.	Explanation
CT connection	③-⑥	—
Count reset	①-②	①9V（DC）②0V (Only for operating the indicator count.)

SCA-12N200KS

Test

C

Signal contact

Earth wire
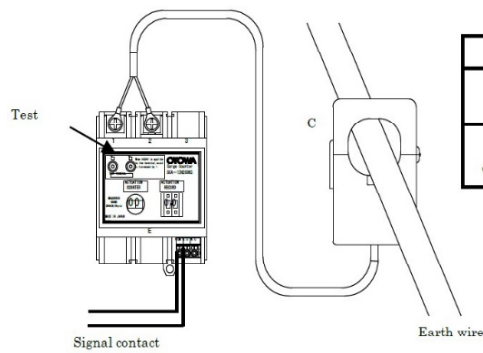
Terminal	Terminal No.	Explanation
Test terminal	—	For oparation check (DC23V~DC25V)
signal contact output terminal	COM-NO-NC	a type contact (COM-NO) b type contact (COM-NC)
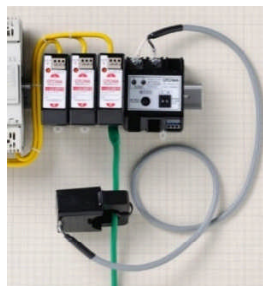
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