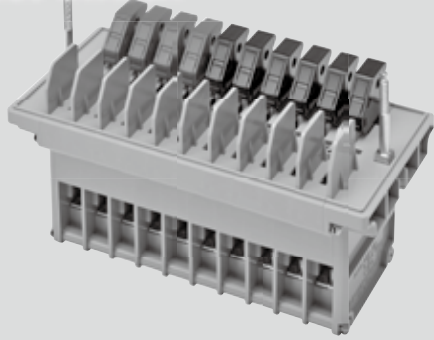




TEST SWITCH

# STT TYPE

*High safety and contact reliability  
lever operation type Test Switch*



## FEATURES

### Conformity with major standards

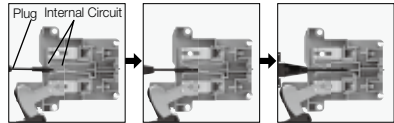
STT type conforms to IEC60497-3 and applies to UL414.

### Open-Circuit prevention

Internal circuit of A and AS units (for Current Circuit) is double, which certainly prevents Open-Circuit during inserting a plug.

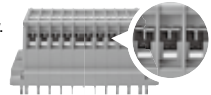
### Wire dropping-off prevention

The rib on the terminal portion leads a ring tongue to proper position. This structure prevents improper connection of the screw and ring tongue.



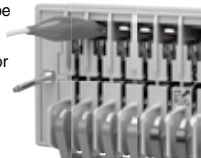
### Efficient wiring work by Up-Screw Terminal

Up-Screw terminal makes wiring work more efficiently.



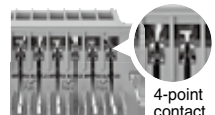
### Easy voltage test by general clips

Voltage circuit testing can be easily conducted by general clips like an alligator clip as well as dedicated plugs.



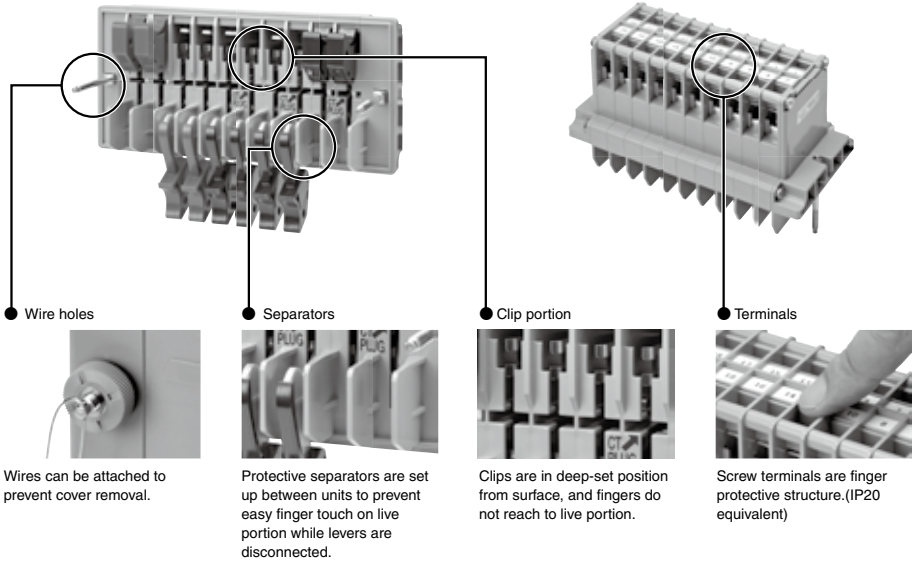
### High contact reliability by 4-point contact

The multi point contact structure of clips enhances contact reliability.



## Safety Structure

STT type is high safety structure.



## SPECIFICATIONS (RATINGS, PERFORMANCE)

Standard: IEC60947-3, UL414

| Specification                               | Type                  | STT type                                                              |
|---------------------------------------------|-----------------------|-----------------------------------------------------------------------|
| Rated insulation voltage (Ui)               |                       | 690V<br>250V (AS unit, close condition)                               |
| Rated impulse withstand voltage (Uimp)      |                       | ±6kV<br>±2.5kV (AS unit, close condition)                             |
| Conventional free air thermal current (Ith) |                       | 30A                                                                   |
| Rated making and breaking capacity          |                       | 250V AC (COS $\phi = 0.95$ ) 0.15A AC<br>250V DC (L/R = 1ms) 0.15A DC |
| Rated short-time withstand current (Icw)    |                       | 360A AC (COS $\phi = 1$ ) - 1sec                                      |
| Rated short-circuit making capacity (Icm)   |                       | 250V AC 50A-50msec (COS $\phi = 1$ )                                  |
| Rated operational voltage (Ue)              |                       | 250V                                                                  |
| Rated operational current (Ie)              |                       | 0.1A                                                                  |
| Utilization category                        |                       | AC-21B, DC-21B                                                        |
| Rated connecting capacity                   |                       | 0.75-5.5mm <sup>2</sup> (AWG18-10)                                    |
| Screw size                                  |                       | M4 × 10                                                               |
| Clamping torque                             |                       | 1.2N·m (Terminal), 0.8N·m (Plug)                                      |
| Ambient air temperature                     | Performance guarantee | -5 to 40°C (No freeze)                                                |
|                                             | Usable                | -25 to 70°C (No freeze)                                               |
| Storing temperature                         |                       | -40 to 85°C (No freeze)                                               |
| Humidity                                    |                       | 45 to 85%                                                             |
| Altitude                                    |                       | 2,000 m or less                                                       |
| Pollution degree                            |                       | Degree 3                                                              |



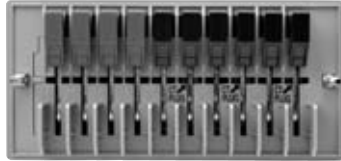
TEST SWITCH

# STT TYPE

## HOW TO ORDER

### Test Switch

Pole No. — 1 2 3 4 5 6 7 8 9 10



Lever Side

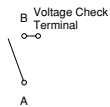
STT - N - 10 -

① Unit Type      -              -          ③ Cover Color

② Lever Color

#### ① Unit Type

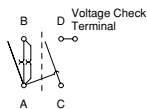
**V** For Voltage Circuit



**A** For Current Circuit



**AS** For Current Circuit (2 units)



**C** Blank Unit (No Internal Circuit)

#### ② Lever Color

| Code | Color               |
|------|---------------------|
| B    | Black               |
| N    | Gray                |
| R    | Red                 |
| O    | Orange              |
| L    | Light Blue          |
| G    | Green               |
| Y    | Yellow              |
| C    | Brown               |
| W    | White               |
| -    | None ((C)Unit only) |

#### ③ Cover Color

| Code    | Color |
|---------|-------|
| (blank) | Gray  |
| C       | Clear |

\* C (Clear) is special model.

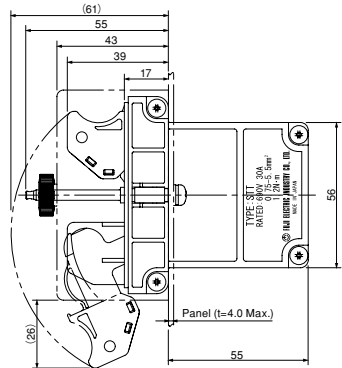
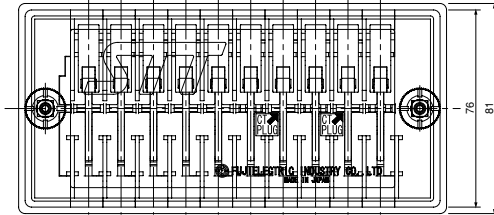
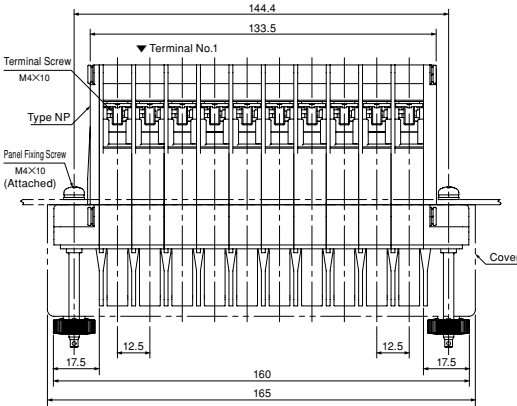
● Typical Unit Type Combination (Other combinations are available.)

| Pole No. (Terminal No.) | 1 (1-2) | 2 (3-4) | 3 (5-6) | 4 (7-8) | 5 (9-10) | 6 (11-12) | 7 (13-14) | 8 (15-16) | 9 (17-18) | 10 (19-20) |
|-------------------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|------------|
| VVVVVVVVV               | V       | V       | V       | V       | V        | V         | V         | V         | V         | V          |
| AAAAAAAAA               | A       | A       | A       | A       | A        | A         | A         | A         | A         | A          |
| CVVVVVVVV               | C       | V       | V       | V       | V        | V         | V         | V         | V         | V          |
| VVVVVVASV               | V       | V       | V       | V       | V        | V         | V         | AS        | V         | V          |
| VVVVAASV                | V       | V       | V       | V       | V        | V         | A         | AS        | V         | V          |
| VVVVASASV               | V       | V       | V       | V       | V        | AS        | V         | AS        | V         | V          |
| VVASVVASV               | V       | V       | V       | AS      | V        | V         | AS        | V         | V         | V          |
| VASVVVASV               | V       | AS      | V       | V       | V        | V         | AS        | V         | V         | V          |
| ASASVVVVV               | AS      | AS      | V       | V       | V        | V         | V         | V         | V         | V          |
| VVVASASASV              | V       | V       | V       | AS      | AS       | AS        | AS        | AS        | V         | V          |
| ASASASASCC              | AS      | AS      | AS      | AS      | AS       | AS        | C         | C         | C         | C          |

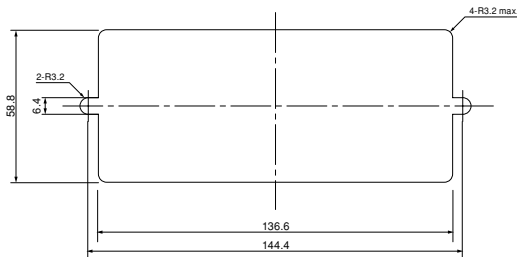
### Test Plugs

|        |                                      |
|--------|--------------------------------------|
| STP-V  | For Voltage Circuit (Screw Terminal) |
| STP-A  | For Current Circuit (Screw Terminal) |
| STPN-A | For Current Circuit (Clamp Terminal) |

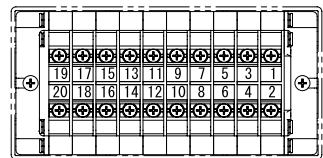
## OUTLINE AND PANEL CUTOUT DIMENSIONS



### Panel Cutout Dimension



### Terminal Side View



A SWITCH

B PILOT LAMP & INDICATOR

C CONNECTING DEVICES

D ELECTRONIC DEVICES

E CONTROL CENTER PARTS

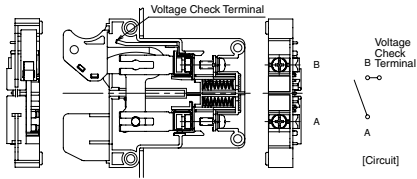


TEST SWITCH

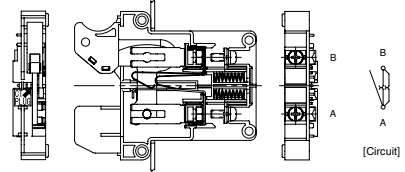
# STT TYPE

## UNIT OUTLINE AND CIRCUIT DIAGRAM

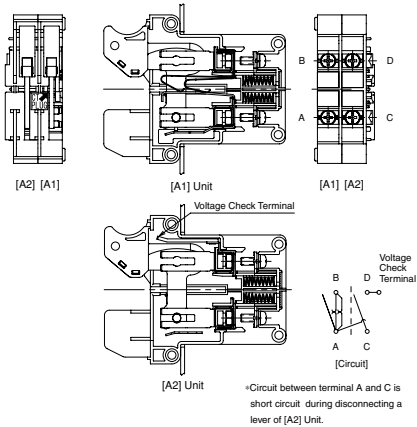
### V Unit (For Voltage Circuit)



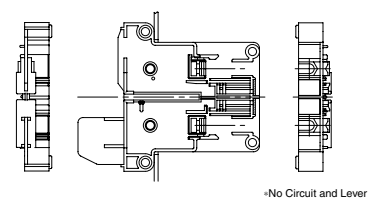
### A Unit (For Current Circuit)



### AS Unit (For Current Shorting Circuit)

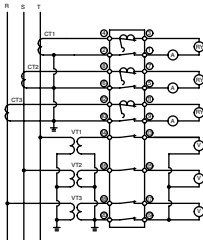


### C Unit (Blank Unit)

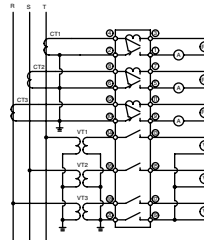


## TYPICAL CIRCUIT EXAMPLE

### Lever - Connected

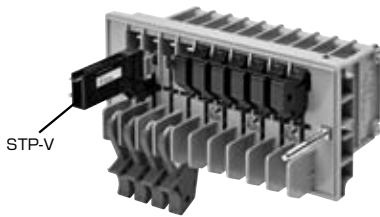


### Lever - Disconnected

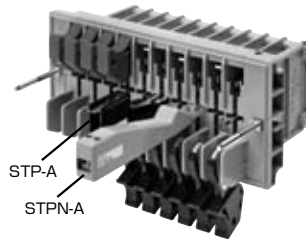


| Pole No. (Terminal No.) | 1 (1-2) | 2 (3-4) | 3 (5-6) | 4 (7-8) | 5 (9-10) | 6 (11-12) | 7 (13-14) | 8 (15-16) | 9 (17-18) | 10 (19-20) |
|-------------------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|------------|
| ASASASVVVV              | AS      | AS      | AS      | V       | V        | V         | V         | V         | V         | V          |

## PLUG INSERTION



Voltage Plug insertion to V (Voltage) unit



Current Plug insertion to A (Current) unit

## ACCESSORIES

### Test Plugs

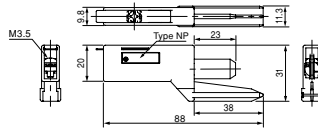
#### For Voltage Circuit (V Unit)

(Order unit: 10)

- STP-V



Screw Terminal



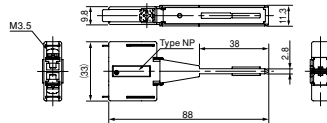
#### For Current Circuit (A-AS Unit)

(Order unit: 10)

- STP-A



Screw Terminal



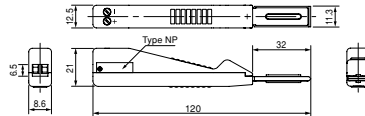
#### For Current Circuit (A-AS Unit)

(Order unit: 10)

- STPN-A



Clamp Terminal



### Covers

\* A cover is attached with STT body as a standard equipment.

- STT-CV-N  
(Standard color)



- STT-CV-C  
(Clear color)

\* Special model

