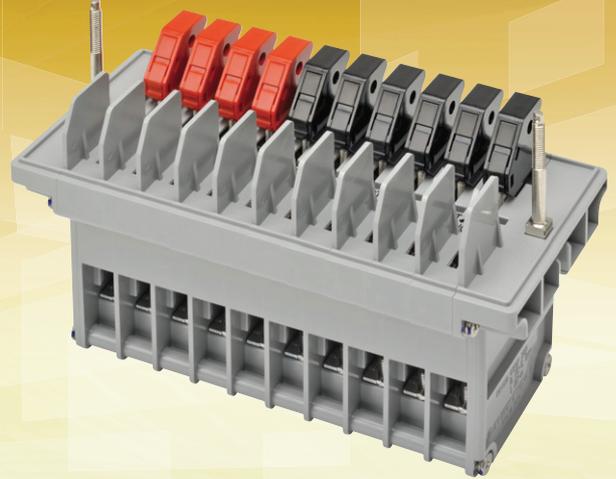
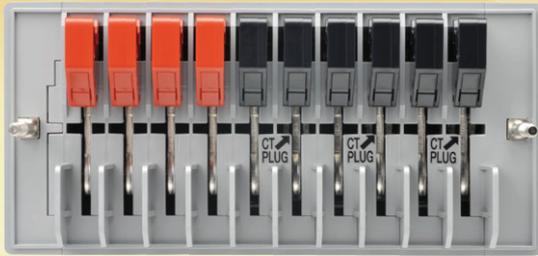


STT type TEST SWITCH

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



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.

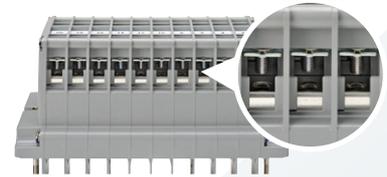
Wire dropping-off prevention

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.



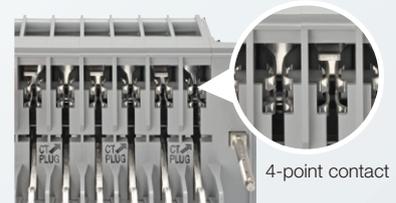
Easy voltage test by general clips

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.



4-point contact

Safety Structure

STT type is high safety structure.

The diagram illustrates the safety structure of the STT type test switch through four key components:

- Wire holes:** A close-up shows a wire inserted into a hole with a protective cap, preventing cover removal.
- Separators:** Protective separators are positioned between units to prevent finger touch on live portions when levers are disconnected.
- Clip portion:** Clips are in a deep-set position, ensuring fingers cannot reach the live portion.
- Terminals:** Screw terminals are designed with a finger-protective structure, equivalent to IP20.

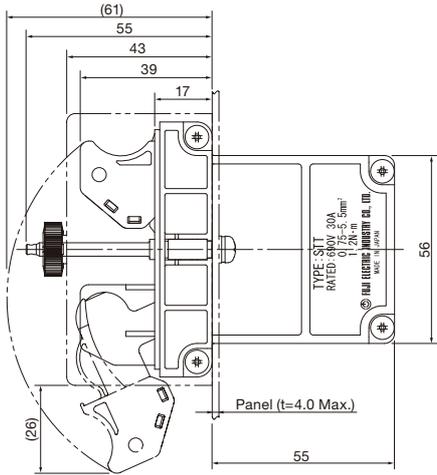
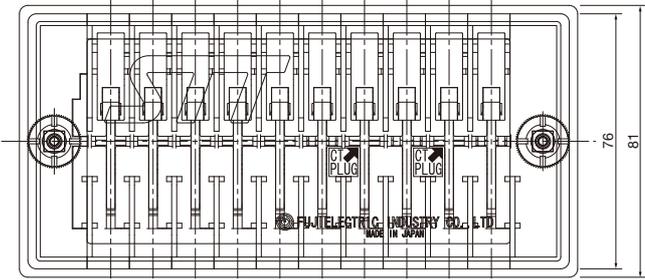
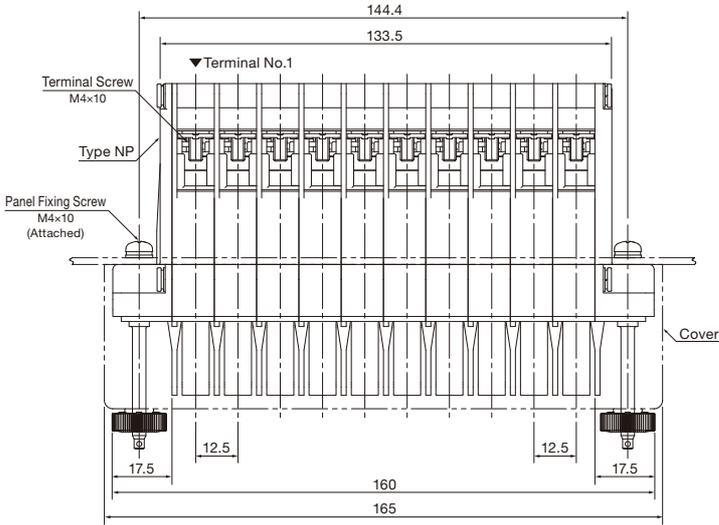
Ratings and Specifications

Standard: IEC60497-3, UL414

Item		STT type	
Ratings	Rated Insulation Voltage (Ui)	690V 250V (AS unit, close condition)	
	Rated Impulse Withstand Voltage (Uimp)	±6kV ±2.5kV (AS unit, close condition)	
	Conventional Free Air Thermal Current (Ith)	30A	
	Rated Making and Breaking Capacity	250V AC (COSφ=0.95) 0.15A AC 250V DC (L/R=1ms) 0.15A DC	
	Rated Short-Time Withstand Current (Icw)	360A AC (COSφ=1) - 1sec	
	Rated Short-Circuit Making Capacity (Icm)	250V AC 50A - 50msec (COSφ=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 ² (AWG18-10)	
	Screw Size	M4 X 9	
	Clamping Torque	1.2N·m (Terminal), 0.8N·m (Plug)	
	Normal service conditions	Ambient Air Temperature	Performance Guarantee
Usable			-25 to 70°C
Storing temperature		-40 to 85°C (Not freeze)	
Humidity		45 to 85%	
Altitude		2,000m or less	
Pollution degree	Degree 3		

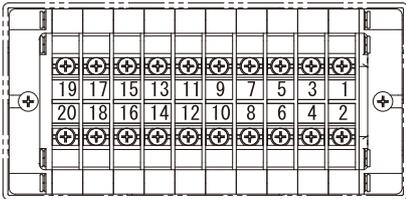
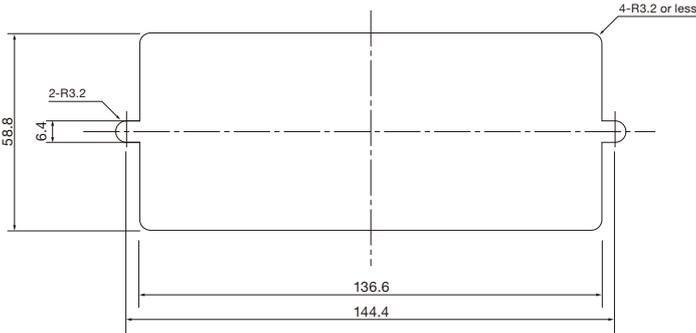
Outline and Panel Cutout Dimensions

Dimensions : mm



Panel Cutout Dimension

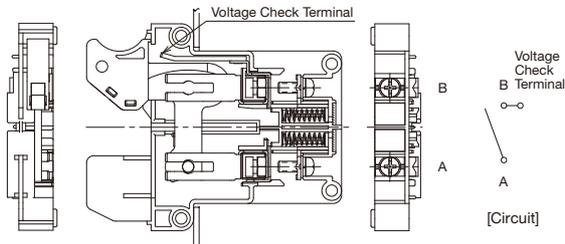
Terminal Side View



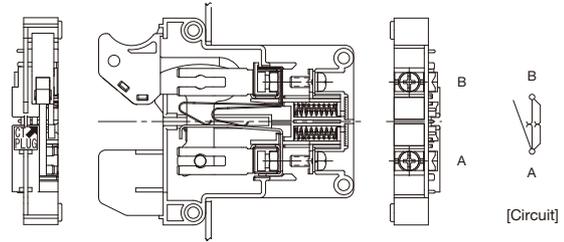
TEST SWITCH

Unit Outline and Circuit Diagram

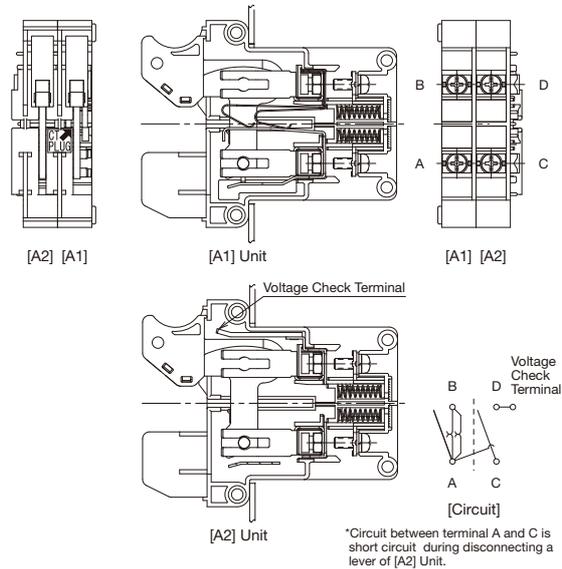
V Unit (For Voltage Circuit)



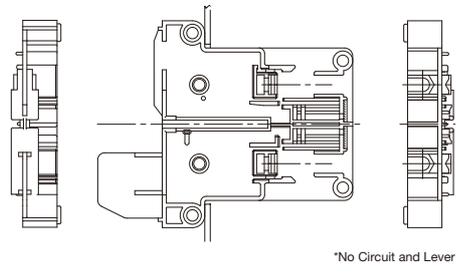
A Unit (For Current Circuit)



AS Unit (For Current Shorting Circuit)

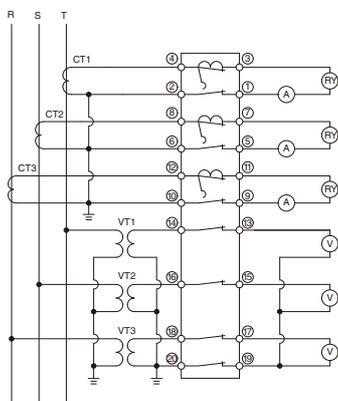


C Unit (Blank Unit)

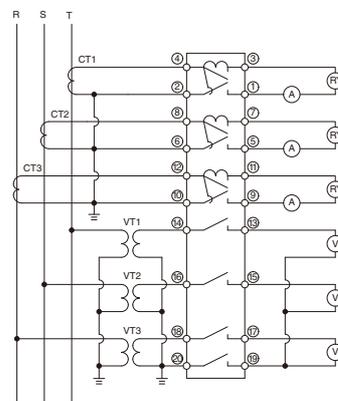


Typical Circuit Example

Lever - Connected

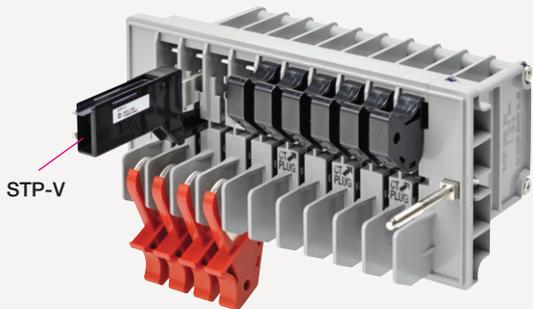


Lever - Disconnected

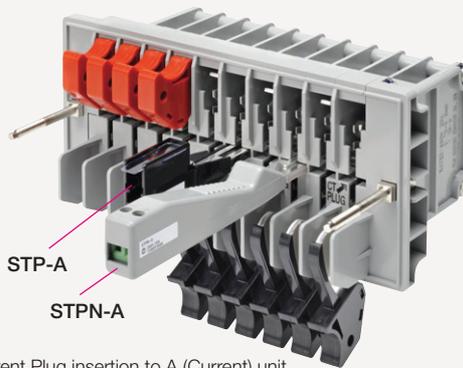


Pole No. (Terminal No.)	1 (1-2)	2 (3-4)	3 (5-6)	4 (7-8)	5 (9-10)	6 (11-12)	7 (13-14)	8 (15-16)	9 (17-18)	10 (19-20)
ASASASVVV	AS	AS	AS	AS	V	V	V	V	V	V

Plug Insertion



Voltage Plug insertion to V (Voltage) unit



Current Plug insertion to A (Current) unit

Accessories

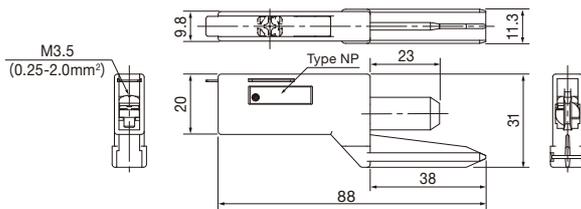
Test Plugs

For Voltage Circuit (V Unit)

STP-V



Screw Terminal

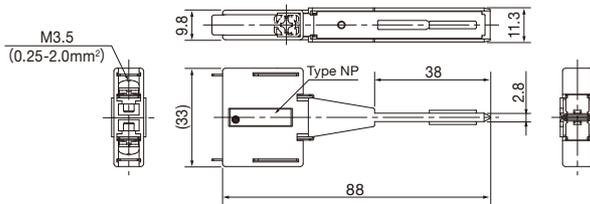


For Current Circuit (A·AS Unit)

STP-A



Screw Terminal

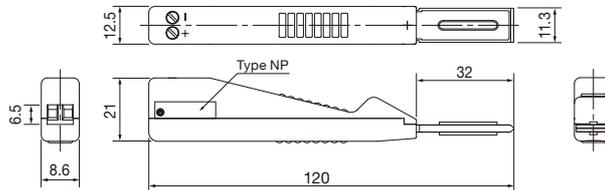


For Current Circuit (A·AS Unit)

STPN-A



Clamp Terminal



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

STT-CV-N



STT-CV-C

