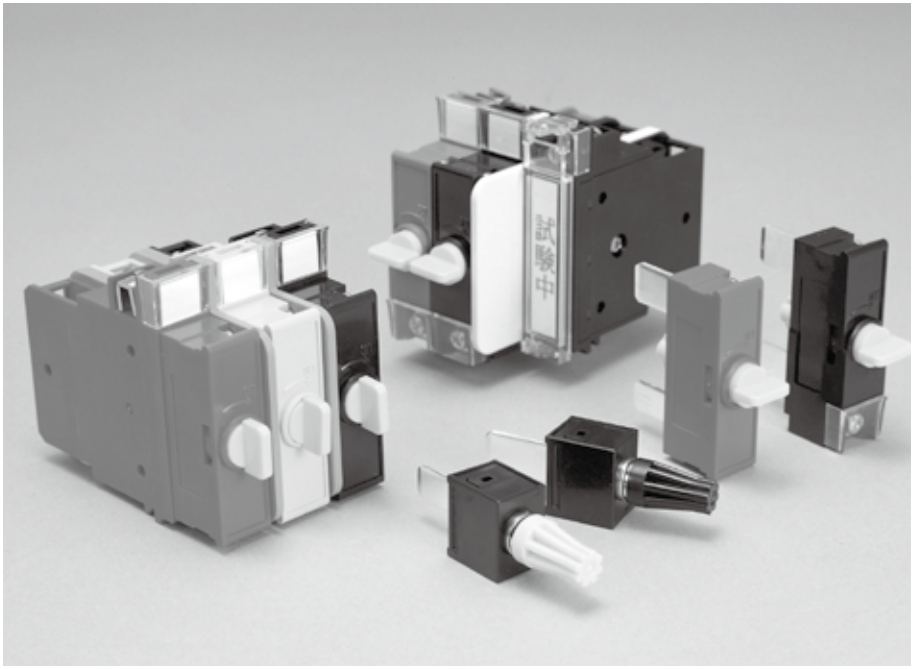
●INSERTION TYPE

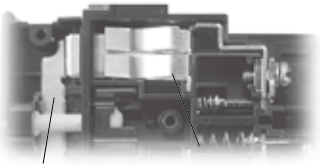
TEST TERMINALS

V-TYPE



FEATURES

1 The test plug and lock plug connecting parts provide a twin-contact structure that enables secure connections.



plug — Inside the main unit

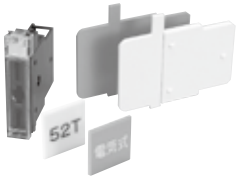
2 With the up-screw type terminals, the V type can prevent terminal screws from dropping, resulting in a reduced number of wiring steps. The finger protection structure protects the live parts, ensuring improved safety.

A finger protection is provided for live parts.

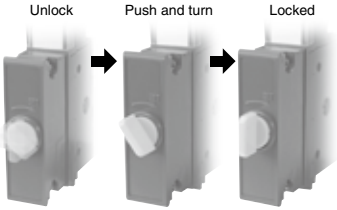
The coil spring (SUS) structure ensures smooth operation.

3 The V type terminals provide color variations depending on the application. A variety of protective caps and application labels are also available. These parts can be combined according to user requests.

B R Y D N C



4 The one-touch lock mechanism securely locks each terminal. You can lock and unlock a terminal by pushing and turning the knob (two actions), to prevent erroneous operation.



SPECIFICATION (RATINGS AND PERFORMANCE)

Specification \ Type	VTT・VTL	
Rated insulation voltage (Ui)	250V	
Rated current-carrying capacity (Ith)	20A	
Max. wire size	5.5mm²	
Screw size	M4×9 (Up-screw type)	
Withstand voltage	Between live parts and mounting panel Between live parts	2,000 V AC / 1 min.
Lighting impulse	Between live parts and mounting panel Between live parts	±7kV / 3 times for each pole (1.2 / 50 μs)
Insulation resistance	Between live parts and mounting panel Between live parts	1,000 MΩ or more (by insulation resistance meter, 1,000 V DC)
Overload resistance	800 A for 2 sec. (Twice at one-min. intervals)	
Contact resistance (Initial value)	10 mΩ max.	
Insertion / removal durability	3,000 operations or more	
Ambient operating temperature	–20 to 50°C	
Storing temperature	–40 to 85°C	
Altitude	2,000 m or less	

HOW TO ORDER

Ordering a single product

[Voltage test terminal] with voltage check terminal

VTT-1A-B

- Basic type: Test terminal
- No. of poles: 1～7 poles
- Color

Code	Separator
A	None
B	Provided (right side)

Code	Munsell color
B	N1.5
N	7.5BG4/1.5

[Trip lock terminal]

VTL-1A-B

- Basic type: Trip lock
- No. of poles: 1～7 poles
- Color

Code	Separator
A	None
B	Provided (right side)

Code	Munsell color	Color
B	N1.5	Black
R	7.5R4.5/14	Red
Y	5Y8/12	Yellow
D	7.5BG3/3.5	Blue green
N	7.5BG4/1.5	Gray
C	2.5YR5/8	Brown

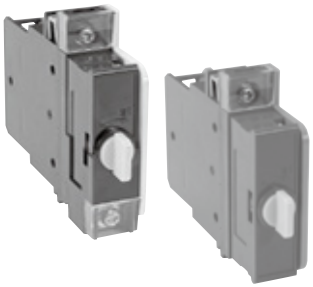
TEST TERMINALS

V-TYPE

HOW TO ORDER

Ordering products of combination

1 Combination of a terminal and a separator



[Voltage test terminal]

Type code **VTT-1B-B**

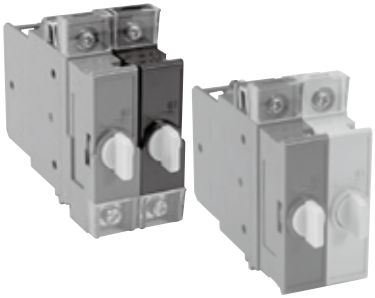
- 1: No. of poles
- B: with separator
- B: Color

[Trip lock terminal]

Type code **VTL-1B-R**

- 1: No. of poles
- B: with separator
- R: Color

2 Combination of two terminals



[Voltage test terminal]

Type code **VTT-2A-NB**

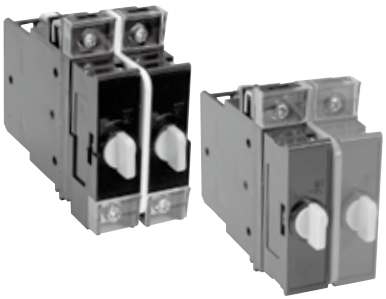
- 2: No. of poles
- A: no separator
- NB: Color (Front view, from the left side)

[Trip lock terminal]

Type code **VTL-2A-RY**

- 2: No. of poles
- A: no separator
- RY: Color (Front view, from the left side)

3 Combination of two terminals and one separator



[Voltage test terminal]

Type code **VTT-1B1A-BB**

- 1B1A: Combination type (Front view, from the left side)
- BB: Color

[Trip lock terminal]

Type code **VTL-1B1A-BR**

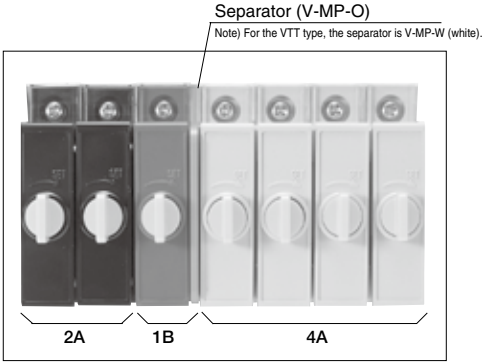
- 1B1A: Combination type (Front view, from the left side)
- BR: Color

■Combination type list

No. of poles \ Code	□A (No separator)	□B (With separator on the right side)	□B□A (With separator between terminals)
1 pole	1A	1B	
2 poles	2A	2B	1B1A
3 poles	3A	3B	2B1A
4 poles	4A	4B	3B1A
5 poles	5A	5B	4B1A
6 poles	6A	6B	5B1A
7 poles	7A	7B	6B1A

■Type code for combination orders other than those listed on the left

4 Combination of seven terminals and one separator



[Trip lock terminal]

Type name **VTL-2A1B4A-BBRYYYY**

- Combination type
- Color (Front view, from the left side)

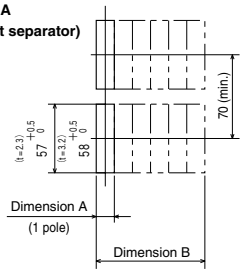
REQUEST FOR COMBINATION ORDERS

- The VTT and VTL terminals can be combined. However, to order this combination, issue orders for individual types.
- Eight or more poles can be combined. However, to order multiple terminals, divide your order by the number of poles within seven poles.
- For the combination dimensions of the A and B types, contact Fuji Electric Industry.

MOUNTING PANEL CUTOUT DIMENSIONS

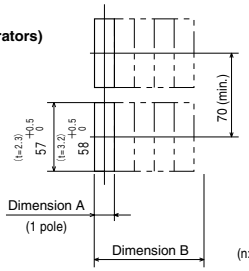
■A mounting panel with a thickness of 2.3 mm or 3.2 mm can be applied.

●Type A
(without separator)



Dimension A (for only one pole) $13.5^{+0.5}_{0}$
Dimension B (for multiple poles) $13.2+15.2(n-1)^{+0.5}_{0}$

●Type B
(with separators)



Dimension A (for only one pole) $15.5^{+0.5}_{0}$
Dimension B (for multiple poles) $13.2+15.2(n-1)^{+0.5}_{0}$ + No. of separators

∗ The separator width is 2 mm each.

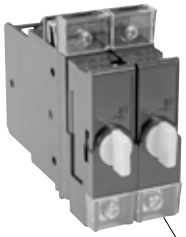
●INSERTION TYPE

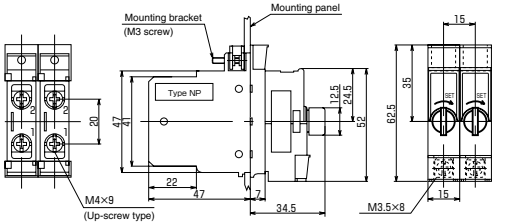
TEST TERMINALS

V-TYPE

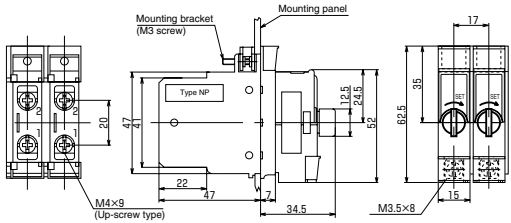
STANDARD PRODUCTS

VTT- No. of poles A- Color

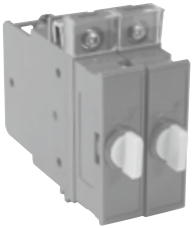


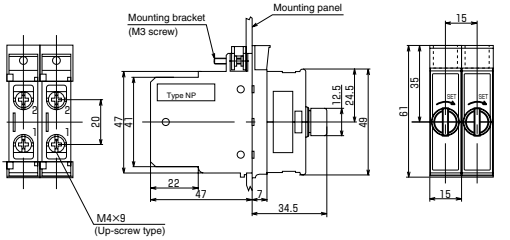


VTT- No. of poles B- Color

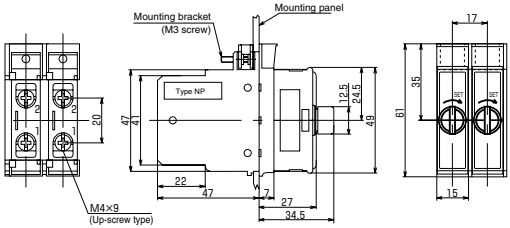


VTL- No. of poles A- Color





VTL- No. of poles B- Color



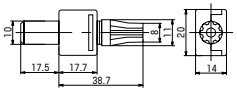
ACCESSORIES

Test terminal

●VTT-X-BP-B

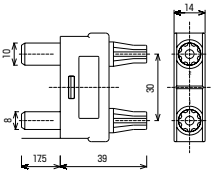
Code	Munsell color	Knob color
B	N1.5	Black
Y	5Y8/12	Yellow

Code	Specification
(blank)	Crimp terminal connection
BP	Banana plug connection



●VTT-X-BP

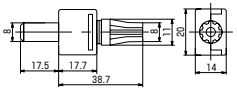
Code	Specification
(blank)	Crimp terminal connection
BP	Banana plug connection



●VTT-Y-BP-B

Code	Specification
(blank)	Crimp terminal connection
BP	Banana plug connection

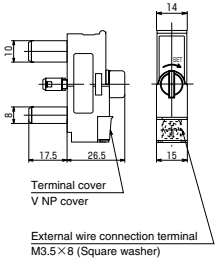
Code	Munsell color	Knob color
B	N1.5	Black
Y	5Y8/12	Yellow



Plug for VTT

●VTT-P-B

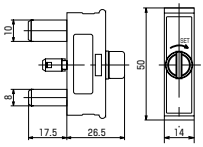
Code	Munsell color	Body color
B	N1.5	Black
N	7.5BG4/1.5	Gray



Plug for VTL

●VTL-P-B

Code	Munsell color	Body color
B	N1.5	Black
R	7.5R4.5/14	Red
Y	5Y8/12	Yellow
D	7.5BG3/3.5	Blue green
N	7.5BG4/1.5	Gray
C	2.5YR5/8	Brown



Protective cap

●V-CAP-00

Code	Base color	Character color	Indicated character
00	Clear	—	—
01	White	—	—
02	White	Red	LOCKED
03	White	Orange	LOCKED
04	White	Red	UNDER TESTING
05	White	Orange	UNDER TESTING
06	White	Red	NOT USED
07	White	Orange	NOT USED

Nameplate

●V-NP-W-000

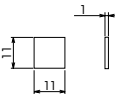
①: NP color

Code	Base color
W	White

②: Character specification (Round Gothic)

Code	Character
000	*—

∗ Code "000" indicates no character (blank nameplate).

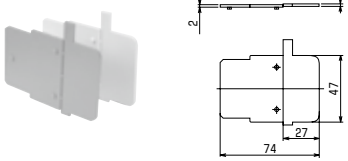


Separator

●V-SP-0

Code	Munsell color	Remarks
O	2.5YR6/12	Orange
W	—	White

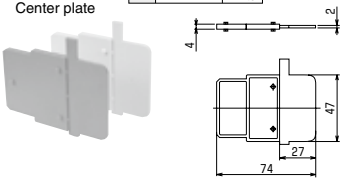
Right side plate



●V-MP-0

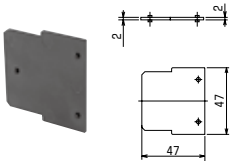
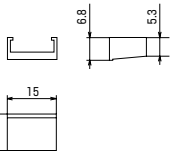
Code	Munsell color	Remarks
O	2.5YR6/12	Orange
W	—	White

Center plate



Joint plate

●V-JP-B



NP cover, Terminal cover