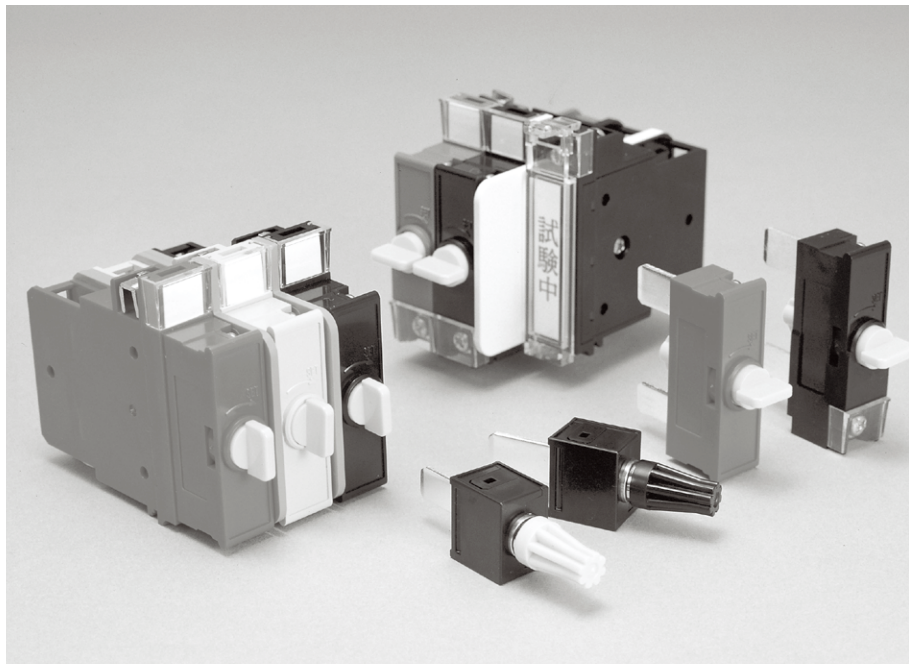




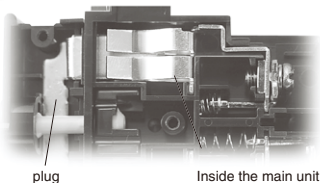
V-TYPE



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.

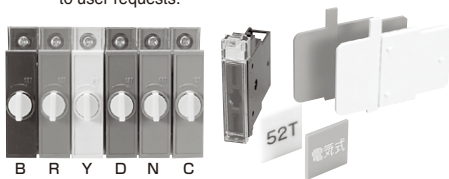


The coil spring (SUS) structure ensures smooth operation.

A finger protection is provided for live parts.

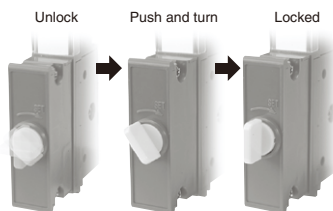
3

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.



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)

Type	VTT · VTL	
Specification		
Rated insulation voltage (UI)	250V	
Rated current-carrying capacity (Ith)	20A	
Max. wire size	5.5mm ²	
Screw size	M4×9 (Up-screw type)	
Withstand voltage	Between live parts and mounting panel Between live parts	2,000 V AC for one minute
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	
Operating temperature	-20 to 50°C	
Storing temperature	-40 to 85°C	
Altitude	2,000 m max.	

HOW TO ORDER**Ordering a single product**

[Voltage test terminal] with voltage check terminal

VTT-1A-B

Basic type	Pole No.	Color	Code	Munsell color
Test terminal			B	N1.5
			N	7.5BG4/1.5
		Code	Separator	
		A	None	
		B	Provided (right side)	

[Trip lock terminal]

VTL-1A-B

Basic type	Pole No.	Color	Code	Munsell color	Color
Trip lock			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
		Code	Separator		
		A	None		
		B	Provided (right side)		



V-TYPE

HOW TO ORDER

Ordering products of combination

1 Combination of a terminal and a separator



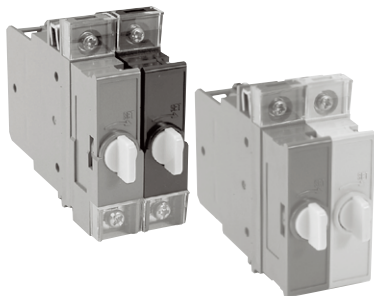
[Voltage test terminal]

Type code **VTT-1B-B**
 Pole No. | with separator | Color

[Trip lock terminal]

Type code **VTL-1B-R**
 Pole No. | with separator | Color

2 Combination of two terminals



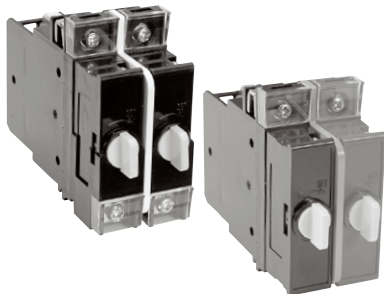
[Voltage test terminal]

Type code **VTT-2A-NB**
 Pole No. | no separator | Color
 (Front view, from the left side)

[Trip lock terminal]

Type code **VTL-2A-RY**
 Pole No. | no separator | Color
 (Front view, from the left side)

3 Combination of two terminals and one separator



[Voltage test terminal]

Type code **VTT-1B1A-BB**
 Pole No. | Combination type | Color
 (Front view, from the left side)

[Trip lock terminal]

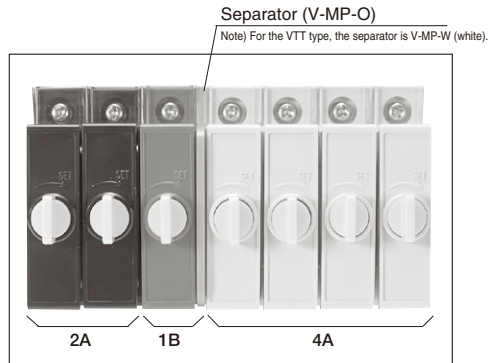
Type code **VTL-1B1A-BR**
 Pole No. | Combination type | Color
 (Front view, from the left side)

Combination type list

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

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

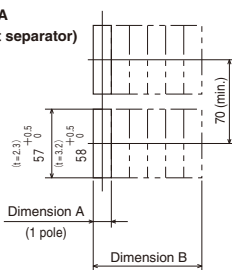
- The VTT and VTL terminals can be combined. However, to order this combination, issue orders for individual types.
- Eight or more poles can be combined. However, to order multiple terminals, divide your order by the number of poles within seven poles.
- For the combination dimensions of the A and B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

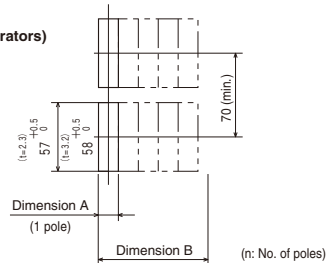
(without separator)



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

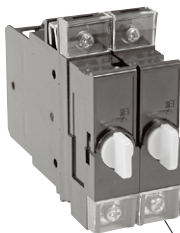
* The separator width is 2 mm each.



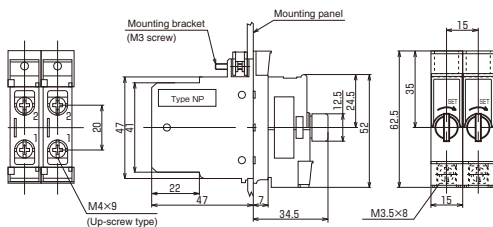
V-TYPE

STANDARD PRODUCTS

VTT- Pole No. **A** Color



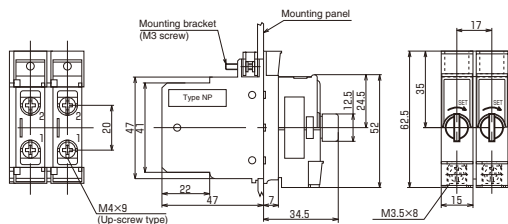
Voltage check terminal



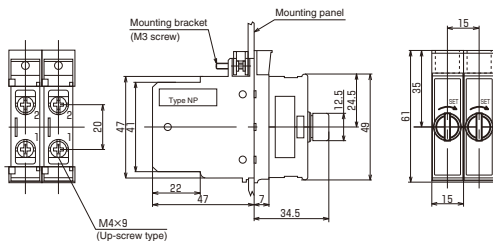
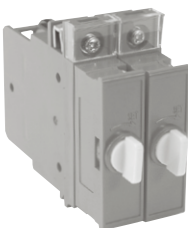
VTT- Pole No. **B** Color



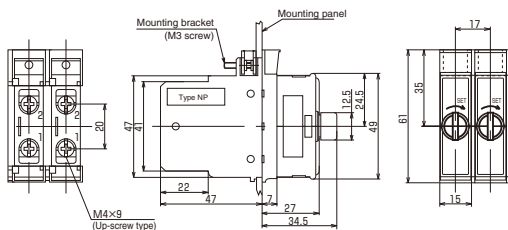
Voltage check terminal



VTL- Pole No. **A** Color



VTL- Pole No. **B** Color

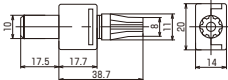


ACCESSORIES

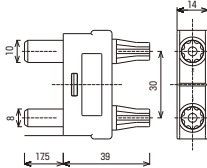
Test terminal

●VTT-X-[B]

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

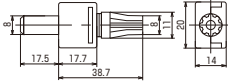


●VTT-W



●VTT-Y-[B]

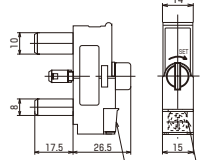
Code	Munsell color	Knob color
B	N1.5	Black
Y	5Y8/12	Yellow



Plug for VTT

●VTT-P-[B]

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



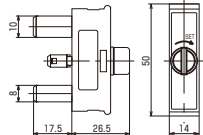
Terminal cover
V NP cover

External wire connection terminal
M3.5×8 (Square washer)

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-[1][2][3]



①: NP color	Code	Character color
W	White	—
R	Red	—
D	Blue green	—
G	Blue	—
C	Green	—
Y	Yellow	—
N	Gray	—
B	Black	—

③: Character color	Code	Character color
W	White	—
B	Black	—

②: Character specification (Round Gothic)			
Code	Character	Code	Character
000	*	021	BK
001	P	022	DFG
002	N	023	*
003	T	024	*
004	S		
005	R		
006	OC		
007	DG		
008	CB		
009	UV		
010	OV		
011	Pr		
012	B		
013	W		
014	BWR		
015	HOC/OC		
016	OCG		
017	OVG-T		
018	SCPPr		
019	K		
020	C		

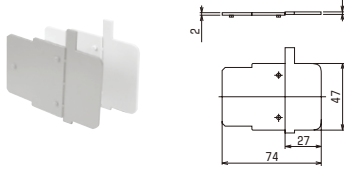
* Code "000" indicates no character (blank nameplate).

Separator

●V-SP-[0]

Right end plate

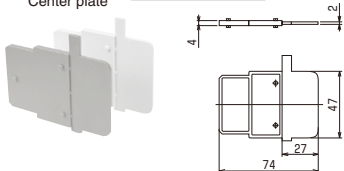
Code	Munsell color	Remarks
O	2.5YR6/12	Orange
W	—	White



●V-MP-[0]

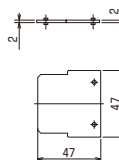
Center plate

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



Joint plate

●V-JP-B



NP cover, Terminal cover

